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HEAVENLY BLUE
Morning-Glory

This improved variety has more flowers and less foliage than the old type, and the blooms are over 4 inches across. It blooms early and continues until frost.

Packet
15c



HEAVENLY BLUE MORNING-GLORY

New! Sensational!

SCARLETT O'HARA Morning-Glory

Blooming right along with Heavenly Blue, the lovely red flowers of Scarlett O'Hara will bring brilliant color to fences, arbors, walls, or posts. They are about 4 inches across and there are lots of them.

Packet 25c



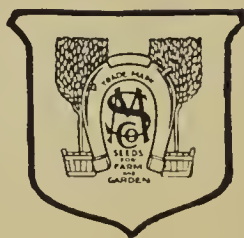
SCARLETT O'HARA
Morning-Glory
Gold Medal, 1939
All-America Selections

Meyer

SEEDS

29th Edition

1939



The **MEYER SEED CO.** 34-36 LIGHT ST. **BALTIMORE, MD.**
Tel. Plaza-6170-6171



M.-S. LAWN GRASSES *Backed by Many Years' Reputation*

M. - S. Roland Park Lawn Grass. Next to the house, the most important thing about a home is a beautiful lawn, and to establish a lawn which will retain its rich green color and springy velvety turf throughout the entire summer and fall, we have prepared a mixture of the best grasses to which just enough clover has been added to make it the best possible for this purpose. With our clean grass seed, free from weed seed, to start with, it is easy to have a turf of which you will be proud. For making a new lawn, 75 to 100 pounds per acre are required, or for renovating old lawns, 40 to 50 pounds per acre. To bring this down to small lawns, a plot 10 by 20, or 200 square feet, requires 1 pound for a new lawn or ½ pound for renovating.

Lb. 35c; 3 lbs. \$1.00; 5 lbs. \$1.60; 10 lbs. \$3.00; bus. (30 lbs.) \$8.25

M.-S. TERRACE MIXTURE. This consists of quick-growing, deep-rooted grasses which will prevent washing. It is the finest Terrace Mixture we have ever seen.

Lb. 35c; 3 lbs. \$1.00; 5 lbs. \$1.60; 10 lbs. \$3.00; bus. (30 lbs.) \$8.25

M.-S. SHADY NOOK GRASS. This fine mixture is made up of grasses which will thrive in shade and will give you a nice green carpet under your trees.

Lb. 40c; 3 lbs. \$1.10; 5 lbs. \$1.80; 10 lbs. \$3.50; bus. (30 lbs.) \$10.00

M.-S. SEASHORE LAWN GRASS. This mixture is adapted for the lawns of water-front properties where excessive moisture in the air demands special grasses.

Lb. 50 cts.; 5 lbs. \$2.25; 10 lbs. \$4.00; bus. (30 lbs.) \$11.25

M.-S. GUILFORD GARDEN CLUB MIXTURE. This is a special mixture which is used extensively in the Guilford, Homeland, and Roland Park sections of Baltimore.

Lb. 50c; 5 lbs. \$2.25; 10 lbs. \$4.00; bus. (30 lbs.) \$11.25

M.-S. BENT GRASS, LAWN AND PUTTING-GREEN MIXTURE. This mixture is prepared for places where pure Bent Grass lawns are subject to fungus attacks. Without clover, but in addition to German Bent contains the finest grades of Kentucky Blue Grass and Fancy Red-Top. Sow 8 to 10 pounds to 1000 square feet.

Lb. 50c; 5 lbs. \$2.25; 10 lbs. \$4.00; bus. (30 lbs.) \$11.25

WHITE DUTCH CLOVER. Indispensable for lawns.

¼lb. 20c; ½lb. 35c; lb. 60c.

Special prices on grasses in larger quantities on application. If wanted by Parcel Post, add as to zones.

M.-S. LAWN and PLANT FOOD

This is a complete organic plant-food and soil-enricher for lawns, flowers, vegetables, shrubs, trees, etc. After many years of testing we believe this to be the best plant-food on the market today. Whether growing grass, vegetables, or flowers, the soil must be fed to replace the elements taken out of the ground by the plants, and this plant-food will do just that and keep your plants, whatever they are, in a healthy, productive condition. Nitrogen 6%; phosphoric acid 6%; potash 5%.

5 lbs. 30c; 10 lbs. 55c; 25 lbs. \$1.00; 50 lbs. \$1.75; 100 lbs. \$3.00; 1000 lbs. \$25.00; ton \$48.00

DELIVERED IN BALTIMORE AND VICINITY



THE BOOK OF ANNUALS

By Alfred C. Hottes

Over 100 genera described with full directions for their care, culture and use. Lists of different annuals for different purposes and a condensed tabular cultural list. 180 pages, 122 illustrations. Cloth \$1.50, postpaid \$1.65.

PLEASE READ BEFORE ORDERING

We aim to give our customers the best service possible. If we make an error, tell us about it and we'll make it right. If there is any information you want in our line of business, write us (if you can't call), and we shall be glad to give it careful attention. Our various departments are in charge of experts who are able to answer intelligently almost all inquiries pertaining to horticulture, agriculture, poultry, and pet stock. Always write inquiries on a sheet separate from your order; it means quicker reply.

The attention of our customers is respectfully called to the following directions which will, if followed, be an aid to purchasers as well as to ourselves.

PARCEL POST RATES

We deliver by PARCEL POST FREE to any post office in the United States all cash orders for Flower and Vegetable Seeds in packets, ounces, and $\frac{1}{4}$ pounds, unless otherwise noted. No seed delivered free unless order is accompanied with the cash. For postage on Peas, Beans, Corn, Vegetable and Field Seeds in larger quantities and all merchandise, consult following table. All merchandise other than seeds, bulbs and plants up to and including 8 ounces in weight can be sent at the rate of 1 cent an ounce regardless of distance. Over 8 ounces at the Zone Rate.



NOTE. When estimating postage on goods not included in our free delivery, bear in mind that while the packing on one pound may weigh only the fraction of a pound, it must be considered as a full pound when adding postage. On larger quantities add postage in proportion.

You may now send parcels 100 inches, length and girth combined, and up to 70 pounds to all zones.

1939 GARDEN BOOK

GREETINGS! Another year has rolled around and again it is our great privilege to present to you our 1939 Garden Book wherein we have listed and described what we believe to be the best Seeds, Bulbs, Plants, Horticultural, Poultry and Pet Supplies which it is possible to obtain, and we have tried to include in our Book as much information as possible to aid you in using our materials. We have spent many years in getting together all of this information, and we hope that you will not only use this Book in ordering our goods but will find it a valuable reference work to which you will often refer. Please remember that our motto is "Punctuality, Sterling Quality, Courteous Treatment," and we intend to live up to it.

Although we have procured the very best seed it has been possible to obtain, and have given you all the information we could think of to help you succeed, we must suggest that due allowance must always be made for weather and soil conditions on which hinge maturity dates, germination, and even the quality of the crop. Our seeds are tested by approved and modern methods, and no inferior seed is knowingly sent to our customers. In spite of this, failures will occur, usually from some cause beyond our control, and while we will do everything in our power to assist our customers, we must advise that our seeds are sold under the following usual non-warranty:

WE GIVE NO WARRANTY, expressed or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

When larger quantities are wanted we can pack in two or more parcels if necessary, provided money is remitted to cover postage.

1st and 2d zones (150 miles) 8 cents first pound, 2 cents second pound, 1 cent each additional pound.

3d zone (150 to 300 miles) 9 cents first pound, 2 cents second pound, 2 cents each additional pound.

For each additional zone add 1 cent; for each additional pound add 2 cents.

All goods sent by Parcel Post are at purchaser's risk, unless insured. Insurance is 5 cents for \$5, 8 cents for \$25, 10 cents for \$50. This insures delivery only, but not damage to package.

How to Send Money. Remittances may be sent either in the form of a Money Order, Bank Check or Draft, or, if currency is sent, it should be registered. Postage stamps are satisfactory for small amounts.

Orders from Unknown Correspondents. We often receive orders from unknown correspondents without remittances, who request that we forward the goods and payment will be sent later. Please do not ask us to do this unless established credit has been previously arranged with us, as satisfactory business references must always be given by customers wishing to open accounts for credit.

IMPORTANT. Merchandise to be returned for credit must be returned within 5 days in good order free of expense to us.

Should you want to purchase anything needed in the garden, greenhouse, or farm, not listed in this catalogue, we will gladly fill your order at the lowest market price, or quote prices if desired.

Gardeners' and Farmers' Situations. We have, at times, the names of practical gardeners and farm managers in want of situations. If parties desiring such will write us, we shall be glad to put them in communication with men whom we deem suitable. We make no charge for this service.

LAWN-MOWER REPAIRING . . . HAND AND POWER

We have an up-to-date shop equipped with all of the latest machinery and superintended by experts so that we are able to take care of any jobs of any kind on either hand or power lawn-mowers. We will call for and deliver work on short notice. Our men are interested in lawn-mowers and we are sure their work will please you. Won't you give us an opportunity to prove this?

THE MEYER SEED CO., 34-36 Light St., BALTIMORE, MD.

The MEYER SEED COMPANY



Celosia, Royal Velvet

Honorable Mention, 1939 All-America Selections



This new kind of Cockscomb grows 2 feet tall, branching freely from the base, each stem bearing small to medium-sized combs just the right size for cutting. The color is a rich shade of brilliant crimson. Whether wanted for fresh cut-flowers or for drying for winter bouquets, this will be found an outstanding novelty. Pkt. 25c.

Antirrhinum nanum grandiflorum, Guinea Gold

Bronze Medal, 1939 All-America Selections



This variety grows about 1 to 1½ feet tall, with upright plants which go through a long season without disease, producing fine spikes of bronzy orange flowers right up to frost. Wonderful bedding variety. Pkt. 25c.

Hollyhock, Annual, Indian Spring

Silver Medal, 1939 All-America Selections



This grand Hollyhock blooms in 5 months from seed and is restrained in height to 4 to 5 feet so that it can be used in many places for which the ordinary Hollyhock is too tall. The ruffled, fringed flowers are semi-double, in shades of pink, being very pale at the base. Cut the plants back as soon as they get through blooming and they will give another fine crop of bloom. Pkt. 25c.

Aster, Wilt-resistant, Early Giant, Light Blue

Silver Medal, 1939 All-America Selections



Beautiful, big lacy flowers of a glorious shade of light blue. The blooms are of the Crego type and produced on long stems on 3-foot, branching, healthy plants. Recommended highly. See Third Cover. Pkt. 25c.



Phlox Drummondii, Salmon Glory

Silver Medal, 1939 All-America Selections



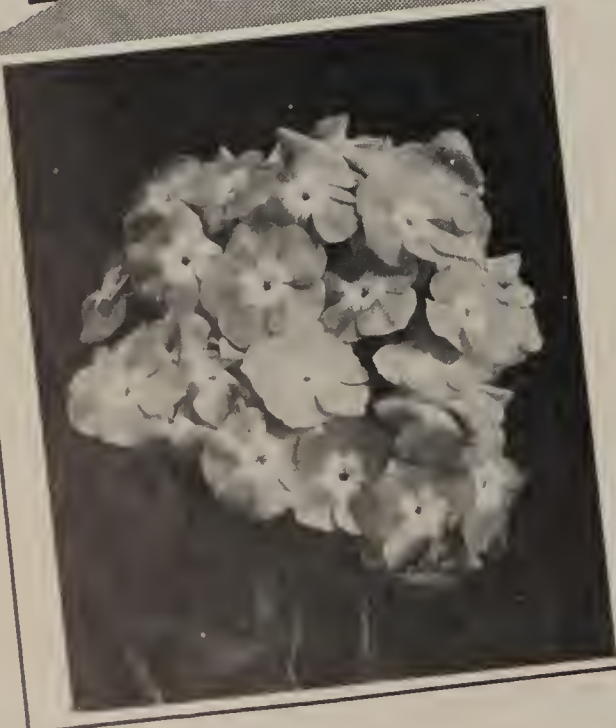
A selection from the Gigantea Art Shades of three years ago, with rich salmon-pink florets and big creamy white eyes. These florets are at least as large as a half-dollar. For bedding, window-boxes, or cut-flowers, this is splendid. Pkt. 25c.

Cynoglossum, Firmament

Bronze Medal, 1939 All-America Selections



A new dwarf type of Chinese Forget-me-not, a sport of *C. amabile*, Fairy Blue. The plants are only 15 to 18 inches tall, bushy, and the continually appearing flowers are of a nice blue color. Will grow anywhere without care and freely produces that much-wanted garden blue. Pkt. 25c.



All-America Selections Winners for 1939

1939 FLOWER NOVELTIES

Marigold, Golden Glow

Honorable Mention, 1939 All-America Selections

Another variety of the odorless-foilage Marigolds which are so desirable for cutting as well as garden display. The plants grow 2½ feet tall, with golden yellow flowers, closely packed with tubular petals and surrounded with a collar of guard petals of the same color. Pkt. 25c.

Marigold, Early Sunshine

Bronze Medal, 1939 All-America Selections

An early-flowering, dwarf strain of Dixie Sunshine, rarely over 2 feet tall, coming into bloom in midsummer. The plants are bushy, with yellowish green foliage and 2 to 2½-inch incurved-petaled sulphur-yellow flowers. Pkt. 25c.



Petunia, Hollywood Star

Silver Medal, 1939 All-America Selections

A distinct novelty with 5-pointed, star-shaped flowers of a delightful shade of rose-pink. The small throat is creamy yellow. The plants are quite bushy, hardly a foot tall and produce unbelievable quantities of lovely flowers right up to frost. An exceptionally desirable variety for pots and window-boxes, as well as solid beds. See Third Cover. Pkt. 25c.

Ipomoea, Scarlett O'Hara

Gold Medal, 1939 All-America Selections

The flowers of this lovely Morning-Glory are about the same size as those of Heavenly Blue, but are of an attractive shade of carmine-red. It stays open longer than other Morning-Glories, often being found open late in the afternoon. It is a strong climber, with distinct halberd-shaped foliage, and comes into bloom early. See Front Cover. Pkt. 25c.



Scabiosa, Blue Moon

Honorable Mention, 1939 All-America Selections

An outstandingly fine Scabiosa with almost globular heads, deep lavender-blue in color. The plants are very upright, healthy, and produce quantities of their long-stemmed flowers until frost stops the show. Pkt. 25c.

Verbena, Blue Sentinel

Bronze Medal, 1939 All-America Selections

A Hybrid compacta erecta variety with splendid heads of large florets of rich navy blue. The plants are 10 to 12 inches high and quite compact. It makes a lovely show in the garden and is a nice cut-flower. Pkt. 25c.



The Best of the 1939 Novelties in Annuals

M.-S. RELIABLE FLOWER SEEDS

SOW THE SEEDS either broadcast or in rows, and *cover lightly*—a good general rule is to cover several times the size of the seeds and press the soil firmly. *Small seeds cannot come up if covered too deep.* Very fine seeds should be sown on the surface and *pressed into the soil*. Cover the seed-bed with a newspaper so the seed will not be washed out by rain or when watering. To have the earliest blooms, flowers that stand transplanting should be sown early in boxes indoors. Water with a fine spray; do not let the soil dry out; do not keep the plants saturated, as they may damp off. When three or four leaves have formed, transplant 1 inch apart in boxes, or in the open ground if warm enough.

THE SOIL best suited to flowers is a light, rich loam, made as fine and smooth as possible. If heavy, mix with sand to lighten, and make it friable. Many seeds are very small and require a fine seed-bed.

HALF-HARDY and TENDER FLOWERS should not be sown or transplanted outside until the weather is settled and warm.

HARD-SHELLED SEEDS like Cannas, Moon-vines, Morning-glories should have a hole filed through the outer shell, or be soaked in warm water 24 hours before planting.

PLANTING CALENDAR

MARCH	MAY	JUNE
Sow Outdoors Sweet Peas	This is the month of outdoor sowing and planting. The following list of flowers comprises those which may be sown in the open, and which will mature into perfection before frosty weather sets in.	This is the month to sow perennials. The varieties listed below can easily be grown from seed. All of them may be sown from June till middle of September.
Sow Indoors Set Out	Sow Outdoors	To Remain Where Sown
Ageratum..... May 1	(Do not require transplanting)	Alyssum saxatile compactum
Antirrhinum (Snap-dragon)..... May 15	Sweet Alyssum	Aconitum (Monkshood)
Asters..... May 10	Calendula	Aquilegia (Columbine)
Carnation, Marguerite..... May 1	Calliopsis	Asters, Hardy
Celosia (Cockscomb)..... May 1	Candytuft	Coreopsis
Cobaea scandens..... May 1	Centaurea (Bachelor's Button)	Campanula (Bluebells)
Heliotrope..... May 10	Chrysanthemum, Annual	Candytuft, Sempervirens
Hollyhock..... May 10	Clarkia elegans	Hibiscus
Lobelia..... May 1	Cosmos, Early	Lupines
Pansy..... May 1	Delphinium	Poppies, Iceland
Petunia..... May 1	Dianthus (China Pinks)	Poppies, Oriental
Salvia..... May 1	Eschscholtzia (California Poppy)	Sweet William
Stocks (Gilliflower)..... May 15	Gaillardia (Blanket Flower)	Valerian (Garden Heliotrope)
Verbena..... May 1	Godetia	
Wallflower..... May 1	Ornamental Gourds	To Be Transplanted
	Helianthus cucumerifolius (Miniature Sunflower)	Canterbury Bells
	Hunnemannia (Tulip Poppy)	Delphinium
	Larkspur, Annual	Digitalis (Foxglove)
	Lupines, Annual	Gaillardia grandiflora
	Marigold	Hollyhocks
	Mignonette	Pyrethrum
	Morning-Glory	
	Nasturtiums	JULY
	Petunia	This is the most important month for sowing some flower seeds. The following biennials, if sown in July and transplanted in August or September, will flower the following spring.
	Phlox Drummondii	
	Poppy	Variety
	Portulaca	Bellis perennis (English Daisies)
	Salpiglossis	Pansies
	Scabiosa	Myosotis (Forget-me-not)
	Nicotiana	And All Perennials
	Verbena	
	Zinnia and all other annuals.	
	(Should be transplanted)	
	Asters	
	Balsam	
	Celosia	
	(Cockscomb)	
	Cosmos, Late	
	Ricinus	

FLOWERS FOR SPECIAL PURPOSES

FOR BORDERS AND BEDDING. 6 to 12 inches high		
Alyssum	Dianthus	Dwarf Phlox
Brachycome	Forget-me-not	Iceland Poppy
Candytuft	Lobelia	Pyrethrum
Dusty Miller	Mignonette	Portulaca
Centaurea	Pansy	Verbena
Daisy	Bedding Petunia	
FOR BORDERS AND BEDDING. 1 to 2 feet high		
Ageratum	Chrysanthemum	Dwarf Nasturtium
Amaranthus	Coleus	Petunia
Antirrhinum (Snap-dragon)	Centaurea	Phlox
Aquilegia (Columbine)	Cockscomb	Poppy
Aster	Shasta Daisy	Salpiglossis
Balsam	Dianthus (Pinks)	Salvia
Begonia	Eschscholtzia	Scabiosa
Calendula	Gaillardia	Stokesia
Calliopsis	Godetia	Stocks
Candytuft	Heliotrope	Sweet William
Carnation	Annual Larkspur	Vinca
Clarkia	Marigold	Wallflower
	Marvel of Peru	Zinnia
	Mignonette	
PLANT IN BOXES AND TRANSPLANT		
Ageratum	Cosmos	Ricinus
Aster	Godetia	Salpiglossis
Calendula	Lobelia	Salvia
Canterbury Bells	Marigold	Sensitive Plant
Calliopsis	Marvel of Peru	Stocks
Chrysanthemum	Petunia	Sweet William
Cockscomb	Pyrethrum	Verbena
These may also be planted where they are to grow.		
FOR EDGING AND LOW BORDERS		
Alyssum	Centaurea	Lobelia
Brachycome	Daisy	Portulaca
Candytuft	Forget-me-not	Stocks
Dusty Miller	Ice Plant	
FOR CUT-FLOWERS		
Antirrhinum (Snap-dragon)	Chrysanthemum	Rudbeckia
Alyssum	Cosmos	Salpiglossis
Aquilegia (Columbine)	Dahlia	Scabiosa
Aster	Shasta Daisy	Stokesia
Calendula	Dianthus (Pinks)	Stocks
Calliopsis	Eschscholtzia	Miniature Sunflower
Candytuft	Gaillardia	Sweet Sultan
Carnation	Gypsophila	Sweet William
Flowering Centaureas	Heliotrope	Sweet Peas
	Marigold	Zinnia
	Mignonette	
	Nasturtium	
FOR TALL BEDS, GROUPS AND BACKGROUNDS		
Amaranthus	Hollyhock	Salvia
Calliopsis	Kochia (Burning-bush)	Salpiglossis
Canna	Perennial Larkspur	Scabiosa
Canterbury Bells	African Marigold	Stokesia
Tall and Plumed Cockscomb	Nicotiana	Sunflower
Cosmos	Oriental Poppy	Wallflower
Dahlia	Evening Primrose	Zinnia
Digitalis	Ricinus	
FOR POTS, PORCH-BOXES, AND BASKETS		
Ageratum	Lobelia	Petunia
Alyssum	French Marigold	Smilax
Begonia	Tall and Dwarf Nasturtium	Stocks
Dusty Miller	Nepeta	Thunbergia
Centaurea	Oenothera	Vinca
Ice-Plant		Verbena
FOR MOUNDS AND ROCKERIES		
Alyssum	Heuchera	Saponaria
Candytuft	Ice-Plant	Smilax
Coleus	Lobelia	Thunbergia
Dianthus	Mimulus	Verbena
Gypsophila	Pansy	Viola
Helianthemum	Phlox	
Heliotrope	Portulaca	
FOR LIGHT SHADE		
Aconitum	Digitalis	Myosotis
Ajuga reptans	Dolichos	Nicotiana
Antirrhinum	Godetia	Pansies
Arabis	Hibiscus	Primula
Candytuft	Heuchera	Platycodon
Chinese Lantern Plant	Humulus	Salpiglossis
Clarkia	Lantana	Scabiosa
Cobaea scandens	Lupines	Schizanthus
English Daisy	Lobelia	Violet
	Marvel of Peru	

1001 GARDEN QUESTIONS ANSWERED By Alfred C. Hottes
Written in the form of questions and answers, this book is a wonderfully quick method of answering all questions pertaining to a moderate-sized place. Information on all phases of gardening—flowers, fruits, vegetables, lawns, trees, bulbs, propagation, soils, pruning, storage, fertilizers, calendar, etc. Over 330 pages, 113 illustrations. Cloth. \$2.00, postpaid \$2.15.



ANNUAL FLOWER SEEDS

- 1 **ACROCLINIUM**. *Everlasting Flower*. New, large-flowered, double hybrids. 1½ ft. Pkt. 10c.
- 2 **AGERATUM**. *Floss Flower*. An excellent plant for edging or solid effects. A continuous bloomer.
Imperial Dwarf Blue. 6 in.
Imperial Dwarf White. 6 in.
Imperial Dwarf Mixed. 6 in.
 Each, pkt. 10c; oz. 75c.
- 3 **ALYSSUM**, *Carpet of Snow*. One of the most popular garden flowers, in bloom all season. Used for edging or in rockeries or vases. 3 in. Pkt. 10c; oz. 75c.
- 4 **A.**, *Lilac Queen*. A very pretty deep lavender-lilac, of dwarf compact habit. 6 in. Pkt. 10c.

ANTIRRHINUM • Snapdragon

- 5 **Semi-dwarf Rustproof**. 1½ ft. high

Large flowers. Excellent for bedding. To have flowers early, sow indoors during February and March.

Garnet. Velvety crimson.
Glowing Sunset. Scarlet.
Golden Queen. Golden yellow.
Indian Girl. Old-gold.
Purity. White.
Wild Fire. Bright orange.
All Colors Mixed.

Each, pkt. 10c; oz. \$1.00

- 6 **Tall Rustproof**. 2 feet high

This splendid new type of Snapdragon has proved to be 75 per cent resistant to the destructive Antirrhinum rust.

Pink	White	Yellow
Red	Bronze	Mixed

Each, pkt. 10c.

- 7 **Best Forcing Varieties**

Ceylon Court. Yellow.
Lucky Strike. White.
Rose Queen. Pink.
Sun Tan. Orange.
Terry Surprise. Rich rose, shaded bronze.

Each, pkts. 50c and \$1.00

A. nanum grandiflorum, *Guinea Gold*. See Novelties, page 2.

AMARANTHUS. Brilliant-foliaged annuals growing from 3 to 5 feet high. They thrive best in a hot, sunny location, not too rich soil, and must be given sufficient room to develop their full beauty.

- 8 **A.**, *Combustion*. Dark foliage. Red tops. Pkt. 10c.

A., *Molten Fire*. Brilliant poinsettia-like tips. Often called "Summer Poinsettia." The most brilliant of this brilliant family. Foliage bronzy crimson, each branch terminating with a tuft of bright scarlet-carmine leaves. Grows from 4 to 5 feet. It makes a very showy plant during the entire summer months. Pkt. 10c.

- 9 **A. tricolor splendens**. *Josephs-Coat*. An improvement on the old sort of more brilliant coloring. Pkt. 10c.

- 10 **A. caudatus**. *Love-Lies-Bleeding*. Has drooping crimson flower-spikes. Pkt. 10c.

- 11 **ARCTOTIS grandis**. *African Daisy*. Bushy annual plants, producing the entire season, on long stems, large, blue-eyed, Daisy-like flowers, pure white on the upper surface, reverse lilac-blue. 2 ft. Pkt. 10c.

- 12 **A. hybrida**. New African Daisy with beautiful flowers. Plants are about 1 foot tall with soft gray-green, wavy-edged leaves. The flowers are in pink, scarlet, and yellow shades and white, each with a dark disc in the center. Truly wonderful cut-flowers. Pkt. 25c.

- 13 **ASPARAGUS plumosus nanus**. For house or conservatory decoration. Extensively used by florists. Pkt. 25c; 100 seeds \$1.00.

- 14 **A. Sprengeri**. 100 seeds 25c; 1000 seeds \$1.25.

M.-S. Superb Asters

Early Giant, *Wilt-resistant*, *Light Blue*. See Novelties, page 2.

- 16 **American Beauty**. *Wilt-resistant*. The queen of all Asters. Far superior to Peony and branching varieties. In five colors: Lavender, Crimson, Dark Blue, Pink, and White, and All Colors Mixed. Each, pkt. 10c; oz. \$2.00.

- 17 **Sunshine Aster**. This pretty Anemone-flowered variety is of great value either in beds, borders, or for cutting. Plants grow about 1½ feet high. The dainty flowers are held erect on good stems. The mixture offered contains a splendid range of delicate colors. Pkt. 10c.

- 18 **Queen of the Market**. *Wilt-resistant*. Very early. White, Pink, Lavender, Scarlet, Dark Blue, and Choice Mixed. Each, pkt. 10c; oz. \$1.50.

- 19 **BALLOON-VINE**. *Love-in-a-Puff*. A rapid-growing annual climber. Seed-pods like miniature balloons. Pkt. 10c.

- 20 **BALSAM**. *Lady's-Slipper*. An old-fashioned flower. With plenty of room they will develop to immense plants with gorgeous flowers. Colors: White, Rose, Scarlet, Spotted, Yellow, and Mixed. Each, pkt. 10c.

- 21 **BALSAM-APPLE** (*Momordica*). Handsome climbing annual bearing ornamental, orange-colored fruit. Pkt. 10c.

- 22 **BEGONIA semperflorens**. Invaluable for bedding and pot-culture. About 1 foot high. Beautiful foliage. Pink, White and Crimson, mixed. Pkt. 10c.

- 23 **B. gracilis**, *Prima Donna*. Pink. Pkt. 50c.

- 24 **B.**, *Christmas Cheer*. Crimson-scarlet. Pkt. 75c.

- 25 **B. gracilis luminosa**. Scarlet. Pkt. 50c. For pot-culture, the above produce compact plants that find ready sale.



Semi-dwarf Rustproof Antirrhinum

- 26 **BROWALLIA speciosa (major)**. Most desirable as a pot- or basket-plant. Rich blue flowers. Pkt. 25c.

- 27 **BRACHYCOME**. *Swan River Daisy*. A desirable hardy annual, blooming profusely the greater part of the summer. Small blue flowers resembling those of the cineraria. 9 in. Pkt. 10c.

CALENDULA. *Pot-Marigold*. Free-flowering, showy annuals of easy culture, producing a fine effect in beds or mixed borders; valuable also for pot-culture for winter and spring blooming. 1 ft.

- 28 **C.**, *Ball's Improved Orange*. An extra long-stemmed deep golden yellow used for forcing. Pkt. 40c; ¼ oz. 60c; oz. \$2.00.

- 29 **C.**, *Orange Shaggy*. Beautifully fringed or laciniated flowers of deep orange shaded lighter at center. A very effective two-toned coloring and a beautiful long-stemmed cut-flower. Pkt. 10c.

- 30 **C.**, *Lemon Queen*. Lemon-yellow. Pkt. 10c; oz. 50c.

- 31 **C.**, *Orange King*. Rich dark orange. Pkt. 10c; oz. 50c.

- 32 **C.**, *Mixed*. Pkt. 10c; oz. 40c.

CALIFORNIA POPPY. See *Eschscholtzia*.

ORDER BY NUMBER AND NAME



Calendula, Orange Shaggy

The Celosias Are an Interesting Flower Family



Calliopsis (Annual)

33 CALLIOPSIS. A very showy annual in bloom from early summer until frost. Single or double. All colors mixed. Pkt. 10c; oz. 50c.

34 CAMPANULA. *Canterbury Bells.* **New Annual Single.** A new variety which blooms from seed in less than six months. Plants grow from 2 to 2½ feet high and each produces from 6 to 8 spikes of bloom. Originator's stock seed in a selected mixture only. Pkt. 10c.

35 CANDYTUFT. Dwarf, profuse bloomer of easy culture. Useful for bedding and borders. Red, Lavender, Pink, Crimson, White and Choice Mixed. Each, pkt. 10c; oz. 40c.

36 CANNA. *Indian Shot.* Although these are generally planted from roots, they may be grown from seeds. Pkt. 10c; oz. 40c.

37 CANARY-BIRD-VINE. One of the most charming annual climbers, bearing hundreds of pretty, fringed, bright yellow flowers, which resemble a canary bird with expanded wings. Pkt. 10c; oz. 35c.

38 CARNATION. *Marguerite.* These are the most satisfactory of the annual Pinks, and will bloom in four months after sowing the seed. The flowers are large, fragrant and are produced continuously. If slightly protected the first winter, they will revive the following spring and bloom during that whole season. Pkt. 10c; oz. \$1.00.

39 CARDINAL CLIMBER (*Ipomœa Quamoclit hybrida*). In a warm, sunny location with good soil, it often reaches a height of 20 feet. The vines are clothed with palmlike, rich green leaves, bespangled with clusters of fiery scarlet, tubular spear-shaped flowers, measuring about 1¼ inches across. Pkt. 10c.

40 CORNFLOWER (*Centaurea cyanus*). Also known as Blue Bottle, Ragged Robin, Bachelors Button. An old favorite garden annual. Double Blue, Pink, White, and Mixed. Each, pkt. 10c; oz. 40c.

41 C., Jubilee Gem. A dwarf Cornflower with 1-foot, compact plant literally covered with dark but vivid double blue flowers. In addition to its garden value it makes a splendid pot-plant. Sow outside in the autumn for spring flowering, in the spring for summer flowering, and at intervals for continuous bloom. Pkt. 15c; 2 pkts. for 25c.

42 CENTAUREA imperialis. *Sweet Sultan.* Gigantic, beautiful, sweet-scented flowers borne on long stems. Mixed. Pkt. 10c; oz. \$1.00.

43 C., White-leaved. *Dusty Miller.* Grown for its silver foliage. Fine for edging and hanging-baskets. Pkt. 10c; ¼ oz. 30c.

44 CERASTIUM tomentosum. *Snow-in-Summer.* Dwarf, white-leaved edging plant. Flowers white. Pkt. 10c; oz. 40c.

45 CHRYSANTHEMUM, Annual. Plants 2 feet high, bearing in profusion large, daisy-like flowers on good stems. Quite distinct from the hardy perennial and autumn-flowering varieties. Mixed colors. Single or double. Each, pkt. 10c; oz. 50c.

46 CINERARIA grandiflora, Prize Mixed. One of the most ornamental and useful plants for conservatory and house decorations. Medium tall. Pkts. 60c and \$1.00.

47 C., Cremer's Prize Strain. Pkts. 75c and \$1.50.

48 CLARKIA. One of the prettiest and showiest hardy annuals. They are useful for hanging-baskets, for vases, and as edging plants. Grow in partial shade. They bloom through midsummer to late autumn. 1½ ft. Pkt. 10c.

CASTOR-OIL BEAN. See *Ricinus*.



Centaurea imperialis

49 CELOSIA cristata. *Crested Cockscomb.* Very desirable annual of easy culture. Large, comb-like heads. Excellent border plants; very good for pots. Dry nicely for winter bouquets. Red and Mixed. Each, pkt. 10c; oz. \$1.00.

50 C. plumosa. *Feathered Cockscomb.* Very decorative plant for the garden. The feather plumes are excellent for cutting. Can also be cut and dried for winter use. Mixed colors. Pkt. 10c; oz. 60c.

C., Royal Velvet. See Novelties, page 2.

51 CHINESE WOOLFLOWER (*Celosia Childsi*). This is a unique form of the Feathered Cockscomb, growing 2 to 3 feet high, each branch terminated with a large head that looks as if made of silky wool. Effective in beds and highly interesting for cutting, as they can be dried and retain their bright color for weeks. Mixed or Scarlet. Each, pkt. 10c.

52 COBÆA scandens. *Cup-and-Saucer Vine.* Well-known climber of rapid growth, producing large, bell-shaped blossoms. In sowing, place the seeds edgewise, and merely cover with light soil. Blue and White, Mixed. Pkt. 10c.

53 CLEOME, Rose Queen. *Spider Plant.* Showy. 4 ft. Pkt. 10c.

CONVOLVULUS. See *Morning-Glory*.

54 COLEUS, Large-leaved Hybrids. Popular bedding plant with beautifully colored foliage. Easily grown from seed if kept in warm temperature. Pkt. 25c.

55 COSMOS, Sensation. Mammoth flowers, 4 to 5 inches in diameter, on long, strong stems. Blooms in 10 weeks from seeding. 4 ft.

Pinkie. Rose-pink.

Purity. White.

Cardinal. Red.

Mixed.

Each, pkt. 15c; 2 pkts. for 25c

56 Cosmos, Orange Flare. An early-flowering strain, blooming in four months from seed. Marigold-like foliage. Grows 2 to 3 feet tall, bushy. Deep brilliant orange blooms. Profuse bloomer. Pkt. 10c.

57 C., Klondyke. Same as above, but a clear orange-yellow. Pkt. 10c; oz. \$1.00.

58 C., Lady Lenox. A giant-flowering strain that blooms profusely. Pink, White, or Mixed. Each, pkt. 10c; oz. 50c.

59 C., Early Summer-flowering. Large flowers with broad petals. Comes into bloom in July, continuing until frost. Compact growth. Profuse bloomer. 4 ft. Crimson, Pink, White, and Mixed. Each, pkt. 10c; oz. 50c.

60 C., Double-crested. This is an entirely new class of Cosmos that blooms very early and produces double-crested flowers of exceptional beauty. The grower does not claim that all plants have double flowers (the fields show about 50 per cent), but the ones that do not show double are dreams of beauty. Pink, White, Crimson, and Mixed. Each, pkt. 15c.

61 CYPRESS VINE (*Ipomœa Quamoclit*). A very graceful annual climber with feathery foliage and beautiful, star-like flowers. Scarlet, White, or Mixed. Each, pkt. 10c; oz. 50c.

62 CYNOGLOSSUM. *Chinese Forget-me-not.* Of easiest culture, forming strong plants 1½ to 2 feet high and producing through the summer months sprays of intense blue forget-me-not-like flowers, delicately sweet scented. Pkt. 10c; ¼ oz. 40c.

C., Firmament. See Novelties, page 2.

ORDER BY NAME AND NUMBER



Cerastium tomentosum

Unwin's Dwarf Dahlias Are Splendid Cut-Flowers

DAHLIAS. There is no more fascinating flower to raise from seed than the Dahlia. The results are a series of surprises.

63 D., California Giants. A selection from named varieties, grown by a celebrated producer in California. Pkt. 25c.

64 D., Unwin's Dwarf Hybrids. Graceful, semi-double flowers in many colors. Sow in March indoors and they will bloom by the end of June. Fine for bedding and cutting. Pkt. 25c.

65 DIANTHUS chinensis. Chinese Pinks. Single, Red and Mixed. Each, pkt. 10c.

66 D., Double, Mixed. Pkt. 10c; oz. 75c.

67 D., Sweet Wivelsfield. A hybrid between a Pink and a Sweet William. Seed started in January and planted out in April will flower in May and bloom all summer in a variety of colors. Pkt. 10c.

68 DIMORPHOTHECA aurantiaca, African Orange Daisy. One of the showiest garden annuals. Compact, bushy plants with orange-gold, daisy-like blooms on long stems. Pkt. 10c.

69 D. aurantiaca hybrida. A splendid mixture of colors and shades. Pkt. 10c.

70 DIDISCUS cærulea. Blue Lace-Flower. This pretty and interesting annual blooms most profusely from July till November. The exquisite pale lavender blossoms are excellent for cutting. Plants grow about 1½ feet high, and have as many as 50 flowers open at one time. Pkt. 10c.

71 DOLICHOS Lablab. Hyacinth Bean; Texas Climber. Showy climber, making rapid growth. White, Purple, or Mixed. Each, pkt. 10c; oz. 25c.

72 ESCHSCHOLTZIA californica. California Poppy. An elegant hardy annual with fine-cut foliage and large, Poppy-like flowers in shades of yellow and orange. Blooms from June till frost. Fine for borders or large beds. Choice Mixed. Pkt. 10c; oz. 60c.

73 EUPHORBIA. Snow-on-the-Mountain. Plants with ornamental foliage. Very showy and easily raised from seed. Pkt. 10c.

EVERLASTINGS or STRAWFLOWERS. See *Helichrysum*, *Acroclinium*, *Statice*, *Gomphrena*.

FOUR-O'CLOCK. See *Marvel of Peru*.



Dianthus chinensis

74 GAILLARDIA, Single or Double. Blanketflower. One of the best garden flowers. Excellent for cutting. The large, highly colored, daisy-like flowers appear continually during the season. Pkt. 10c; oz. 60c.

75 G., Indian Chief. A magnificent, large, single flower with dark brown center and showy, metallic red petals. Fine for garden display or cutting. 2 ft. Pkt. 10c; ½oz. 25c.

76 GODETIA. Satin Flower. Easily grown plants produce a profusion of beautiful flowers of satiny texture. Mixed colors. Pkt. 10c.

77 GOMPHRENA globosa. Globe Amaranth. Clover-like heads of everlasting flowers which can be dried for winter bouquets. 15 in. Red, Purple, and Mixed. Each, pkt. 10c; ½oz. 25c.

78 GERANIUM zonale, Mixed. Largest and finest varieties. Pkt. 10c.

79 GOURDS. Rapid climbers. State kind wanted.

Bird-Nest	Mockorange
Caveman's Club	Sugar Trough
Dishcloth or Luffa	Calabash or Pipe
Nest-Egg	Spoon
Hercules' Club	Dipper
Pear Shape	Apple
General Mixture	

Each, pkt. 10c; oz. 40c.

80 GYPSOPHILA. Babys-Breathe. Free-flowering plants of easy culture. Excellent for cutting to mix with other flowers. 2 ft. White and Rose. Each, pkt. 10c; oz. 50c.

HELIANTHUS. See *Sunflower*.

81 HELIOTROPE. A well-known and highly prized plant on account of the delightful fragrance of the flowers. Excellent for pots or beds. Dark varieties. Mixed. Pkts. 10c and 25c.

82 HELICHRYSUM. Strawflower. One of the most popular of the Everlastings; a splendid cut-flower, either fresh or dried. Pink, Crimson, Yellow, and Mixed Colors. Each, pkt. 10c; oz. 50c.

83 HUMULUS japonicus. Japanese Hop. A rapid-growing annual climber with luxuriant foliage. Excellent for covering trellises and verandas. Pkt. 10c; oz. 50c.

84 HUNNEMANNIA fumariæfolia. Giant Yellow Tulip-Poppy. 2 ft. Pkt. 10c.

85 HOLLYHOCK, Single, Annual. Mixed colors. Pkt. 10c.

86 HOLLYHOCK, Annual, Indian Spring. See *Novelties*, page 2.

HYACINTH BEAN. See *Dolichos*.

IPOMOEA. See *Moonflower*.

I., Scarlett O'Hara. See *Novelties*, page 3.

87 ICEPLANT. Beautiful dwarf edging plants that bloom profusely in dry and sunny situations. Fine for pots. Covered with watery vesicles resembling pieces of ice. Pkt. 10c.

88 IMPATIENS, Holsti Hybrids. Sultan's Balsam. A wide range of exquisite colors. Blooms continuously from midsummer until frost. For outdoors and pot-culture. 1 to 2 ft. Pkt. 15c.

89 KOCHIA scoparia. Summer-Cypress; Mexican Fire-Bush. An easily grown annual with feathery green foliage which grows into a cypress-like hedge. At the approach of autumn the foliage turns to a deep red color. 2 to 3 ft. Pkt. 10c; oz. 40c.

LACE-FLOWER, BLUE. See *Didiscus cærulea*.



Larkspur

90 LANTANA. Most desirable bedding plant. Seeds are best germinated in a greenhouse from January to March. Flowers resemble verbenas. Plants bloom all summer. Red and orange shades. Dwarf hybrids, mixed. Pkt. 10c; ¼oz. 30c.

91 LUPINS. Very desirable showy garden plants. Excellent for cutting. Graceful spikes. 2 ft. Pink, Dark Blue, Light Blue, White, and Mixed. Each, pkt. 10c; oz. 60c.

92 LOBELIA, Crystal Palace. No garden is complete without an edging of blue Lobelias. Very desirable for pots and hanging-baskets. Blooms July to October. Pkt. 10c.

93 LARKSPUR or ANNUAL DELPHINIUM, Double Stock-flowered. Splendid annuals of easy culture. If sown early in spring will produce blooming plants in July. Will bloom earlier when sown in autumn. White, Light Blue, Dark Blue, Pink, and Mixed. Each, pkt. 10c; oz. 75c.

Marigolds

94 FRENCH.

French Legion of Honor. Single; yellow blotched brown.

Golden Ball. Double.

Lemon Ball.

Mahogany. Rich velvety mahogany-brown.

Mixed.

Each, pkt. 10c; oz. 60c.

95 AFRICAN TALL.

Lemon Queen. Soft lemon-yellow.

Orange Prince. Golden orange.

Mixed.

Each, pkt. 10c; oz. \$1.00

96 GUINEA GOLD. A distinct type of Marigold, with graceful, pyramidal habit, growing 2 to 2½ feet high. Flowers semi-double, 2 to 2½ inches across. Wavy petals of a brilliant shade of orange and gold. Pkt. 10c.

ORDER BY NUMBER AND NAME

Novelty Marigolds

- 97 Yellow Supreme.** *New.* Large, fluffy blooms which are sweetly scented. A fine companion to Guinea Gold. Flowers of dazzling lemon-yellow color, nearly 3 inches in diameter. Pkt. 15c.
- 98 Harmony.** A lovely Scabious-flowered type of the dwarf French Double Marigold. Plants are 10 to 12 inches high and produce great quantities of their lovely flowers which have a high golden orange center tuft and 4 or 5 rows of reddish brown guard petals. Pkt. 15c.
- 99 Dixie Sunshine.** Golden yellow pompons made up of tiny 5-petaled florets. The plants are 5 feet tall with lacy green foliage. It blooms late and should be started early indoors. Pkt. 15c.
- 100 Gigantea, Sunset Giants.** An outstanding novelty for 1937. Here we have a showy, sweetly scented, exceptional-sized Marigold flower averaging 5 inches in diameter, ranging in color from deep orange to lemon-yellow, and a new, delightful shade of primrose. The flowers come about 65 per cent double; plants are 3½ to 4 feet high, and start blooming about July 15 and will bloom profusely until frost. Sunset Giant is worthy of the showiest spot in any garden. Pkt. 15c. Color illustration on third cover.
- 101 Crown of Gold.** A round-topped flower of rich golden yellow surrounded by a collar of big broad petals of the same color. Flowers sweet-scented. Foliage odorless. 2 ft. Pkt. 15c.
- Early Sunshine.** See Novelties, page 3.
- Golden Glow.** See Novelties, page 3.
- 102 MARVEL OF PERU.** *Four-o'Clock.* Bushy plants of easy culture, producing hundreds of flowers during the entire summer. Very showy. 2 ft. Pkt. 10c; oz. 30c.
- 103 MESEMBRYANTHEMUM tricolor.** A lovely little annual, splendid for the rocky, sunny bank, etc., with daisy-like flowers of carmine, white, purple. Pkt. 10c.
- 104 MIGNONETTE, Golden Machet.** Valuable for cutting on account of its fragrance. Sow in succession during the whole summer; may also be forced in greenhouses during winter. Large, reddish-tinted, sweet-scented flowers. Pkt. 10c; oz. 75c.
- 104½ M., New York Market.** A specially selected strain of tall-growing, very sweet Mignonette. Pkt. 15c; oz. \$1.00.
- MOMORDICA.** See Balsam-Apple.
- 105 MOONFLOWER (Ipomœa noctiflora).** Climber. At night and during dull days the plants are covered with an abundance of large, pure white, fragrant flowers. Pkt. 10c; oz. 75c.
- M., Heavenly Blue.** Pkt. 15c.

ORDER BY NUMBER AND NAME



Nasturtium, Golden Gleam

- 106 MORNING-GLORY, Imperial Japanese, Mixed.** These are the handsomest of all Morning-Glories. All colors. Pkt. 10c; oz. 25c.
- 107 M., Heavenly Blue (Ipomœa).** Beautiful flowers of bright sky-blue. Pkt. 15c. Color illustration on front cover.
- Scarlett O'Hara.** See page 3.
- MOURNING BRIDE.** See Scabiosa.
- 108 NICOTIANA.** Splendid, showy flowers so fragrant that a small bed will perfume the surrounding atmosphere. Pink, Red, White, and Mixed. Each, pkt. 10c.
- 109 NIGELLA, Miss Jekyll. Love-in-a-Mist.** Beautiful double flowers of a clear cornflower-blue. Good for cutting. 1½ ft. Pkt. 10c.
- 110 CENOTHERA Lamarckiana. Evening Primrose.** Blooms from June until frost. The large, golden yellow, fragrant flowers open at dusk. 2 to 4 ft. Pkt. 10c; ¼ oz. 25c.

Nasturtium

New Double Sweet-scented

- 111 Dwarf Globe, Mixed.** The dwarf, compact, globe-shaped plants are literally covered with many colored giant double and semi-double, long-stemmed, sweet-scented flowers. Pkt. 10c; oz. 25c.
- 112 Scarlet Gleam.** More dazzling in color than the showy Golden Gleam. The fiery orange-scarlet flowers are fully double, very large, well formed, and pleasingly sweet scented. Pkt. 10c; oz. 15c.
- 113 Glorious Gleam Hybrid.** The flowers are uniformly double, large, well formed and delightfully sweet scented, with stems long and wiry, bearing the numerous flowers well above the foliage. Pkt. 10c; oz. 15c.
- 114 Golden Gleam.** Makes a vigorous, large bush and throws out a few short runners, covered with double, large, golden yellow, fragrant blooms. Pkt. 10c; oz. 15c.

Dwarf Varieties

- 115 Vesuvius.** Salmon-rose. Neat, compact habit and attractive foliage. Are not disturbed by insects. Bloom most profusely the whole season.
- 116 Chameleon.** Produces various colors and markings on the same plant.
- 117 Empress of India.** Dark-leaved, velvety dark scarlet blooms. Select flowers. Above three varieties, pkt. 10c; oz. 20c; ¼ lb. 60c.

V.122. M.-S. Fancy Giant-flowering Dwarf, Mixed. Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.

Tall Varieties

V.105. M.-S., Mixed. For covering trellises, fences, arbors, piazzas, or trailing from vases, urns, etc. Bloom early summer until frost. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. 85c.

M.-S. Perfection Pansies

Strictly considered, this is a biennial, but the fact that it flowers the first season from seed recommends it as an annual. There are actually three seasons in which Pansies can be planted. If started in the house from February until April, Pansies will begin to bloom from July on; sown outdoors in May, beautiful flowers are produced in the fall; sown in frames during July and August and



Pansy, Triumph of Giants

transplanting later gives us the main crop of flowers the following spring. Pansies thrive best in moist, semi-shaded situations in open exposure.

118 M.-S. Giant Exhibition. A blending of our own, containing only the very choicest the specialists in Europe have to offer. It can be relied on to produce flowers of immense size, very heavy texture, and of the most brilliant colors. Pkt. 10c; oz. \$3.00.

119 Triumph of Giants. Flowers of great brilliancy and richness of coloring, including many new and rare shades. Florists' strain. Pkt. 25c; 5 pkts. \$1.00; oz. \$6.00.

120 Ball's Giant Mixed. Very large florists' strain. Pkts. 50c and \$1.00; oz. \$6.00.

121 Masterpiece. Frilled Pansy. Flowers beautifully curled or waved. Exquisite colors. Pkt. 10c.

122 WINTER FLOWERING. A new innovation in Pansies. Planted out in the late summer they will bloom as early as the beginning of April.

Celestial Queen. Blue.

Helios. Yellow.

Pkt. 15c; 2 pkts. for 25c; oz. \$5.00

Petunias

The Petunia is without a peer among annuals for effective summer bedding or indoor culture. It is of easy culture, early to blossom, and continues throughout the summer until the first killing frost. No other flower produces greater diversity of color, retaining its freshness for so long a period.

123 Superbissima, Giants of California. Single, fringed and ruffled blooms. The best strain of giant, pot-grown Petunias, all selected from the finest new colors, hand pollenized and glasshouse grown. Fine for potting. Pkts. 25c and 50c.

124 Grandiflora, Double Fringed, Mixed. Selected and hybridized with the greatest care. Flowers large, beautifully fringed, and embracing the choicest colors. When transplanting Double Petunias it is very important to plant also the very smallest plants, as these as a rule produce the best double flowers. Pkt. 50c; 500 seeds \$1.50.



Petunias, Giants of California

PETUNIAS, continued

Bedding and Window-box

- 126 Dainty Lady.** Remarkable new yellow variety. Plants neat, compact, semi-dwarf, and free flowering. Blooms medium size, delicately fringed, light golden yellow. Pkt. 25c; large pkt. 75c.
- 127 M.-S. Fine Bedding.** Very fine. Striped, blotched, and all colors mixed. Pkt. 10c; oz. \$1.50.
- 128 Elk's Pride.** Large, deep royal-purple. Pkts. 25c and 75c.
- 129 Flaming Velvet.** Brilliant velvety blood-red. Plants neat, compact, and bearing a profusion of blooms throughout the summer. Pkt. 15c.
- Hollywood Star.** See Novelties, page 3.
- 130 Snow Queen.** Pure white. Pkt. 10c; oz. \$2.00.
- 131 Rosy Morn.** Pink. Pkt. 10c; oz. \$2.00.
- 132 Rose of Heaven.** A very effective rich and brilliant variety with luminous rose-pink blooms. Pkt. 10c; ¼ oz. 75c.
- 133 Heavenly Blue.** Silvery blue. Pkt. 15c; ½ oz. \$1.00.

Nana compacta

A new strain of dwarf, compact Petunias for pot-culture, the rockery, and beds. Each plant forms a perfect ball.

- 134 Pink Gem.** Plants 5 to 6 inches high, literally smothered with deep pink blooms. Pkts. 25c and 75c.
- 135 Mixed.** All colors. Plants 8 to 10 inches high and 1 foot across. Pkts. 15c and 50c.
- 136 Ruffled Martha Washington.** A lovely novelty of dwarf, compact growth, 9 inches high, smothered with brilliant blooms, about 3 inches in diameter. The frilled portion of the flowers is a charming flesh-pink and the center is strongly veined with wine-red. Pkt. 25c.
- 137 Howard's Star.** A beautiful variety. Produces a profusion of single crimson-maroon flowers, each having a distinctive five-pointed white star. Pkt. 10c; oz. \$1.50.
- 138 General Dodd.** Rich blood-red. Splendid bedding variety. Pkt. 10c.
- 139 BALCONY.** A splendid free-flowering type for window or porch-boxes, vases, etc.; also valuable for bedding, giving a display of flowers throughout the entire summer until frost. The blooms are large, averaging 3 inches across. Blue, Red, Rose, White, and Mixed Colors. Each, pkts. 10c and 40c.

Poppies

Dainty flowers with tissue-like petals. If cut just before opening and the stems seared or dipped in boiling water, they make splendid cut-flowers. Plant as early as possible where they are to stay, as they do not transplant well. Successive sowings every two weeks will give continuous bloom.

Single Varieties

- 140 M.-S. Shirley.** A bed of these Poppies produces a gorgeous effect in the garden. Large flowers with brilliant colors. Pkt. 10c; oz. 25c.
- 141 Flanders.** This is the well-known Poppy of Flanders Field so often mentioned in songs and stories of the Great War. Medium-sized, bright scarlet flowers. Very showy when planted in masses. Pkt. 10c; oz. 40c.
- 142 Oriental Scarlet.** A duplicate of the perennial type, but it is an annual, flowering profusely the first season. Pkt. 10c; oz. \$1.00.

Double Varieties

- 143 Double-flowered, Mixed.** Immense double flowers, resembling a peony. 2 ft. Pkt. 10c; oz. 30c.

POPPY, YELLOW TULIP. See Hunne-mannia.

- 144 PORTULACA, Single.** Mexican Rose. Brilliant hardy annual of easy culture. Excellent for massing in beds or rock-work. Thrives best in a light, sandy soil and a sunny situation. Flowers of the brightest colors. Pkt. 10c; oz. 75c.

- 145 P., Double.** Pkt. 10c; ¼ oz. 50c.

- 146 PHLOX Drummondii.** Easily grown from seed. Makes a brilliant display as a summer bedding plant. White, Pink, Scarlet, Yellow, Violet with eye, Scarlet with dark eye, and All Colors Mixed. Each, pkt. 10c; oz. \$1.50.

P. Drummondii, Salmon Glory. See Novelties, page 2.

- 147 P. Drummondii, Dwarf Cecily.** For rock-gardens. Large flowers. Mixed colors. 8 in. Pkt. 10c.

Ricinus • Castor-Oil Bean

One of our best ornamental annual plants, largely used for the center of beds, being splendidly effective grouped with cannas, caladiums, and other tall plants.

- 148 Red Spire.** The shapely, bushy plants attain a height of about 6 feet, with pretty, palmate bronzy green leaves having prominent red ribs and veins. Throughout the summer and autumn it produces numerous spikes of flowers or seed-pods 9 to 18 inches long, of a brilliant rosy crimson. Pkt. 10c; oz. 40c.

- 149 Communis zanzibariensis.** Enormous leaves, varying in color from light green to purplish red. 12 ft. Pkt. 10c; oz. 25c.

- 150 Communis Gibsoni.** Plants attain great dimensions (12 to 14 feet). Leaves a beautiful blood-red. Pkt. 10c; oz. 25c.

- 151 M.-S. Mixture.** Appreciating fully the splendid effects that a fine array of these desirable foliage plants will make in your garden, we have composed a mixture that for elegant blending is unsurpassed. Pkt. 10c; oz. 20c.

- 152 SALVIA splendens.** Scarlet Sage. There is nothing more effective in the fall or mid-summer than these immense bright scarlet flowers. Seed should be started either in the house from February until April or in hotbeds. Pkt. 10c; oz. \$1.50.

- 153 S., Bonfire.** Compact, bushy plants, producing innumerable, erect spikes of the most brilliant scarlet flowers. 2½ to 3 ft. Pkt. 10c; ¼ oz. 75c.

- 154 S., America or Globe of Fire.** Of dwarf, bushy, compact growth and very uniform in height and shape. Spikes of brilliant scarlet flowers. Pkt. 25c; ¼ oz. \$1.50.

- 155 SALPIGLOSSIS sinuata.** Painted Tongue. Very beautiful hardy annual plants, flowering freely from July to early autumn. Rich soil should be provided, with plenty of space for plants to develop. Blue, Rose, Violet, Red, Purple, Yellow, Maroon, and All Colors Mixed. Each, pkt. 10c.

- 156 SCABIOSA.** Mourning Bride; Pin-cushion Flower; Egyptian Rose. Beautifully colored flowers. Fine for cut-flowers. 2½ ft. Rose, Blue, White, Maroon, and Mixed. Each, pkt. 10c.

S., Blue Moon. See Novelties, page 3.

- 157 SCARLET RUNNER.** Ornamental and useful Climbing Beans. Pkt. 10c; oz. 15c.

- 158 SENSITIVE-PLANT (Mimosa pudica).** A curious and interesting, half-hardy annual with pinkish flowers. Leaves close when touched. 1½ ft. Pkt. 10c.

- 159 SMILAX.** A well-known greenhouse climber with small, dark green foliage. Of great value in floral work. Pkt. 10c; oz. 75c.

- 160 SCHIZANTHUS.** Butterfly or Fringed Flower. A wide range of beautiful colors. Pkt. 10c.

- 161 S., Giant-flowered Hybrids, Florists' Strain.** Pkts. 25c and 50c.

- 162 SOLANUM, Christmas Pepper.** An improved variety, producing quantities of miniature Peppers, ranging in color from purple to brilliant red. Pkt. 10c; large pkt. 40c.

- 163 S., Cleveland Cherry.** Ornamental pot-plants of dwarf, branching habit for winter decoration. Produces a great profusion of scarlet berries. 1 ft. Pkt. 10c; large pkt. 30c.

- 164 STATICE.** These have become quite popular, the flowers being used extensively by many of the leading florists. The seeds, supplied in the dried flower-heads, may be started indoors or sown in the open when the weather gets warm. In order to secure satisfactory germination, the flower-heads should be placed in the soil on their sides. 18 in. All Colors Mixed. Pkt. 10c.

- 165 STOCK.** Half-hardy annual. Fine for cutting, bedding or edging, also pot-culture. 1 to 1½ ft. White, Pink, Yellow, Crimson, Light Blue, Dark Blue, or All Colors Mixed. Each, pkt. 10c.

- 167 S., Evening-scented.** An old-fashioned favorite grown primarily for the entrancing fragrance of its pastel purplish lilac blooms. It is most fragrant during the evening hours. 18 in. Pkt. 10c.

STRAWFLOWER. See Helichrysum.



Stocks

ORDER BY NUMBER AND NAME



M.-S. Select Sweet Peas

For Sweet Pea Inoculation, see page 39. All Sweet Peas postpaid

Sow 1 ounce of seed to 25 feet of row

The soil for Sweet Peas should be rich and deep. A good loam, with plenty of well-rotted manure in it, is ideal for raising good plants that will produce plenty of blooms of good substance. Considerable benefit has been noted from the use of Inoculating Culture. We can supply a special culture for Sweet Peas for 10c—enough for any ordinary garden. Place in a position fully exposed to the sunlight and air on both sides of row.

They should be sown as early in the season as the ground can be worked, which is usually between the middle of March and the middle of April in the latitude of Baltimore, or they can be planted in October or November for earlier blooming. It is best to make a trench or furrow about 6 inches deep, in the bottom of which sow the seed. Cover with about an inch of soil, pressing it down firmly. As soon as they are above ground, thin out to 2 to 4 inches apart; when planted too close they do not attain their full development. They should be staked up, either with branches of brush or stout stakes on which wire netting has been fastened. These should be at least 4 feet high, and 5 feet would be better. The flowers should be cut as often as possible to prevent running to seed, which would cause them to stop blooming.



Verbena hybrida compacta erecta

Sunflower • Helianthus

Well-known annuals, the small-flowering sorts being useful for cutting; the tall varieties valuable for backgrounds.

- 168 **Cucumerifolius.** *Miniature Sunflower.* Small, single, rich yellow flowers. Abundant bloomer. 4 ft. Pkt. 10c; oz. 40c.
- 169 **Dwarf Double, Globe of Gold.** Yellow flowers. 3 ft. Pkt. 10c; oz. 30c.
- 170 **New Red.** Extra-large flowers, some of which are rich chestnut-red, others tipped with yellow. Tall. Pkt. 10c; oz. 60c.
- 171 **Russian Mammoth.** Immense single yellow flowers on tall, heavy stalks. 6 ft. Pkt. 10c; oz. 15c.

- 172 **STEVIA serrata.** Free-blooming plants for summer or winter, bearing a profusion of fragrant white flowers. Fine for cutting. 2 ft. Pkt. 10c; large pkt. 30c.

- 173 **THUNBERGIA alata.** *Black-eyed Susan.* Beautiful, very ornamental climber. Flowers of various colors. Pkt. 10c.

- 174 **TORENIA Fournieri.** Showy annual flowering all summer. Splendid for vases, hanging-baskets or border. Flowers sky-blue with yellow centers. 1 ft. Pkts. 15c and 40c.



Torenia Fournieri

- V.123. **M.-S. Superb Spencer Sweet Pea Mixture.** This superb Mixture is blended by us with extraordinary care from named varieties of the most improved large-flowering type, including recent American and European novelties, as well as a great many new hybrids, as yet unnamed, insuring gorgeous color effect. Pkt. 10c; oz. 15c; 1/4 lb. 50c; lb. \$1.50.

- V.142. **M.-S. Gilt-edge Mixture.** Oz. 10c; 1/4 lb. 25c; 1/2 lb. 40c; lb. 75c.



Sweet Pea, Pinkie

Separate Colors

- 175 **Shirley Temple.** Colossal blooms of soft rose-pink, beautiful beyond description, on gigantic plants, strong and vigorous. Early flowering, it will bloom a month ahead of the Late Spencers and continue longer. Pkt. 15c; 1/2 oz. 40c; oz. 75c.
 - 176 **Avalanche.** Glistening large pure white.
 - 177 **Austin Frederick Improved.** A beautiful, pure lavender.
 - 178 **Majestic Cream.** This is a line, rich deep cream.
 - 179 **Pinkie.** A glorious rich rose-pink.
 - 180 **Reflection.** The best clear blue Sweet Pea.
 - 181 **Mrs. A. Searles.** A delightful salmon-ecruse-pink.
 - 182 **Sybil Henshaw.** The largest crimson-red.
 - 183 **Warrior.** Giant maroon.
- Each, pkt. 10c; oz. 25c; 1/4 lb. 75c; lb. \$2.50

M.-S. Winter-flowering Spencer Sweet Peas

While these are especially adapted for forcing under glass for winter and early spring blooming, they are also valuable for outdoor culture, coming into bloom five to six weeks earlier than the regular Spencer or Orchid-flowered type, and if the flowers are kept cut, they will continue to bloom for a long time.

- 184 **Ramona.** Salmon overlaid orange.
- 185 **Susanna.** Large; crimson-scarlet.
- 186 **Christmas Triumph.** Pink and white.
- 187 **Sweet Briar.** Rose-pink on white ground, touch of amber.
- 188 **Ball's Blue.** Clear blue.
- 189 **Fragrance.** Clear lavender.
- 190 **Jeanne Mamitsch.** Rose-pink.
- 191 **Gloria.** Salmon-rose.
- 192 **White Harmony.** Best white.

Each, or all colors mixed, pkt. 10c; 1/2 oz. 30c; oz. 60c.

HARDY SWEET PEAS. See No. 265.

- 193 **VERBENA hybrida compacta erecta, Florists' Strain.** As dwarf bedding plants for a gorgeous display during the summer months they cannot be excelled. Commencing to flower in July, they continue until frost. Our Mammoth Fancy Strain cannot be surpassed for profusion of bloom and beautiful colors and shades: Scarlet, White Eye; White, Scarlet, Blue, Pink, Violet, and All Colors Mixed. When ordering, state color wanted. Each, pkts. 10c and 25c; 1/4 oz. 75c.

V., **Blue Sentinel.** See Novelties, page 3.

- 194 **VINCA rosea.** *Madagascar Periwinkle.* Dwarf bedding plants with deep green, glossy foliage and bright, single blossoms of striking beauty. Sow early. White, with Pink Eye; White, Pink, and All Colors Mixed. Each, pkts. 10c and 30c; 1/4 oz. 50c.



Vinca rosea

ORDER BY NUMBER AND NAME

M.-S. Zinnias (Youth and Old Age)

One of the most showy and satisfactory of our hardy annuals for beds, mixed borders, and for cutting purposes. Easy to grow in any good garden soil. They commence flowering early in the summer and continue until frost.



Dahlia-flowered
Zinnia

M.-S. Giant Dahlia-flowered

Plants of vigorous habit, from 2½ to 3 feet high. Mammoth flowers 4 to 6 inches across and 2½ to 3 inches deep, so closely resembling decorative dahlias that when placed by their side, it is difficult to distinguish one from the other. This new type is also valuable for growing under glass for cutting.

- 195 **Canary Bird.** Canary-yellow.
- 196 **Crimson Monarch.** By far the largest and best of the red shades. Plants very vigorous.
- 197 **Dream.** A fine deep lavender turning to purple—a new, desirable shade in Zinnias.
- 198 **Exquisite.** One of the most pleasing in the collection. Truly Dahlia-flowered as regards form and size. Light rose blooms with deep rose centers.
- 199 **Golden Dawn.** A very rich golden yellow.
- 200 **Illumination.** Bright deep pink.
- 201 **Purple Prince.** A fine, deep purple, large and well formed.
- 202 **Oriole.** One of the most beautiful of its class. An immense orange and gold bi-color, changing slightly as it ages.
- 203 **Polar Bear.** A very large pure white. The best white yet seen in Zinnias.
Each, pkt. 10c; ⅛oz. 25c; ¼oz. 40c; oz. \$1.50

207 SCABIOUS-FLOWERED. This new Zinnia is entirely different from all other Zinnias. The plant reaches a height of 40 inches and flowers profusely. Its outstanding feature consists in the formation of the flower forming an outer ring of long petals, whereas the center shows many small flowers which at first sight have a great likeness to the Scabiosa. Mixed colors. Pkt. 10c.

208 DWARF DOUBLE. Compact bushes not over 2 feet in height. Scarlet, Pink, Yellow, White, Lavender, and All Colors Mixed. Each, pkt. 10c; oz. 50c.

M.-S. CALIFORNIA GIANTS. Plants grow to a height of 3 to 4 feet with immense, perfectly double, flat flowers, splendid for cutting or garden effect.

209 Brightness. Bright pink.

210 Daffodil. Canary-yellow.

211 Grenadier. Bright red.

212 Lavender Queen. Deep rosy lavender.

213 Purity. Best white in Zinnias.

Each, pkt. 10c; ⅛oz. 25c; ¼oz. 40c; oz. \$1.50
Special, 1 pkt. of each, 40c.

214 California Giants, Mixed. Pkt. 10c; ¼oz. 35c; oz. \$1.25.



California Giant Zinnia

215 LILLIPUT or POMPON. A very pretty type of compact habit not over 15 inches high, bearing in lavish profusion, small, densely double flowers on long stems, held well above the foliage. Make a good border or bed and are of more than usual value for cutting. Yellow, Purple, Pink, Red, White, Lilac, and All Colors Mixed. Each, pkt. 10c; oz. \$1.00. One pkt. of each color (6 pkts.) 50c.

216 PUMILA, PICOTEE, DELIGHT. One of the best florists' cut-flower Zinnias on the market. Flowers medium size, petals curled, with picotee markings, plants 2 to 2½ ft.

Golden Ray. Golden orange.

Salmon-Rose **Finest Mixed**

Each, pkt. 15c; ⅛oz. 30c; ¼oz. 50c.

217 LINEARIS. A new type. Single; golden orange with yellow stripe on each petal. Fine for border or window-boxes. Early. Blooms profusely until frost. A neat, compact plant. 10 in. Pkt. 15c; 2 pkts. for 25c.

218 GAILLARDIA-FLOWERED. Another new type, mixed colors, ranging in pink, bronze, yellow, orange and lavender, mostly two-toned; 2-inch flowers. Fine for cutting; free-flowering; 2 feet tall, producing flowers in 45 days from seeding. Pkt. 10c; ⅛oz. 25c.

219 TOM THUMB MINIATURE, Mixed. A charming type with plants growing 6 to 10 inches high, forming compact little bushes covered with perfectly double blooms of miniature size. Includes all popular Zinnia shades such as red, orange, yellow, pink, rose, and many others. Splendid for beds and borders. Pkt. 10c; ¼oz. 50c.

220 HAAGEANA, MEXICAN HYBRIDS, Mixed. Very popular small-flowering Mexican Zinnias, which have a charm all their own. Excellent for bedding, making a fine display, with long stems. Exceptionally good for house decoration. The mixture contains many attractive colors and color combinations. Pkt. 15c; 50c per large pkt.

220½ Annual Flower Seeds for Wild Gardens

A Surprise Collection, Containing Practically Every Annual in Existence

Large borders, along carriage drives and woodland walks, shrubby borders, and the like, may be pleasingly brightened as a result of freely sowing mixed flower seeds. The expense involved is nominal in comparison with the wealth of bloom obtained. Such plantings will be a continuous source of joyous surprise to you as, among the many growing annuals, you recognize old friends or discover new ones. And at blooming time, some of the cheery flowers may be cut and transferred indoors without noticeably lessening the charm of the outdoor plantings. Be careful not to sow the seeds too close together, as suitable space for plant development will contribute to the effectiveness of your planting. Pkt. 10c; oz. 25c; ¼lb. 75c; lb. \$2.25.

ORDER BY NUMBER AND NAME



Fantasy Zinnia, Star Dust

Collection: One pkt. each of the above
9 sorts, 75c

Including a 20-page, beautifully illustrated booklet on
"The Zinnia and Its Uses"

204 GIANT DAHLIA-FLOWERED, Finest Mixed. Containing a wonderful range of beautiful colors. Pkt. 10c; 3 pkts. for 25c; oz. \$1.25.

205 FANTASY, STAR DUST. A rich deep golden yellow selection from the Fantasy type. Gorgeous bedding variety and an exceptional cut-flower. Pkt. 15c; ⅛oz. 40c; ¼oz. 75c.

206 FANTASY (Chrysanthemum-flowered). Attractive flowers 3 inches in diameter on plants 2½ to 3 feet tall. The blooms are made up of twisted, shaggy, shred-like petals, quite different from any other type. Because of their distinctiveness they are in great demand as cut-flowers. A bright, colorful mixture of many shades. Pkt. 10c; ⅛oz. 25c; ¼oz. 40c.

PERENNIAL AND BIENNIAL FLOWER SEEDS

Pkt. 10c, unless otherwise noted

Cultural Directions for Sowing Perennial and Biennial Flower Seeds

Perennial seed may be sown outdoors from May until September. A good, finely sifted soil should be used, to which add some sand and granulated peat moss. It is absolutely necessary that a shaded location be selected, or if sown in a coldframe, lath coverings or sash covered with burlap should be used. The soil must be kept moist at all times, therefore we deem it advisable to sow in this manner. If the soil should become dry for only a short period, the seed would be destroyed.

A common mistake in sowing flower seeds is covering too deeply; as a general rule cover only to a depth of the thickness of the seeds.

Some seeds are of much slower germination than others, therefore it is wise not to be impatient. For instance, Hardy Primulas will often lie dormant in the ground for six months to a year; Columbines and other varieties of a like nature, two to three months. As soon as the plants are large enough to handle, they should be transplanted to the permanent location in the perennial border or nursery rows.



Columbine (Aquilegia)

221 **ANCHUSA italica**, **Dropmore**. Rich gentian-blue. 3 to 5 ft. May, June. Pkt. 10c.

222 **ANTHEMIS tinctoria**. **Hardy Marguerite**. A handsome, hardy perennial, bearing daisy-like bright yellow flowers all summer. Excellent for cutting. 2 ft. Pkt. 10c.

223 **ACONITUM**. **Monksblood**. Pkt. 10c.

224 **ALYSSUM saxatile**. **Basket of Gold**. Yellow. For rock-gardens. Pkt. 10c.

225 **ANEMONE coronaria**, **St. Brigid's Choice Double, Mixed**. Anemones are easily grown from seed, bloom early, when good cut-flowers are scarce, and are perfectly hardy. Pkt. 10c.

AQUILEGIA. See **Columbine**.

226 **ARMERIA formosa**. **Sea-Pink; Thrift**. Large, brightly colored, ball-shaped flowers. 16 in. Pkt. 15c.

227 **ARABIS**. **Rock-Cress**. Early spring-flowering plants especially adapted for edging and rockery. Pure white blossoms in May. 6 in. Pkt. 10c.

228 **ASTER**, **PERENNIAL**. **Michaelmas Daisy**. Pkt. 10c.

BELLIS. See **Daisy, English**.

229 **CAMPANULA Medium**. **Canterbury Bells**. Biennials which, if sown during the summer, bloom the following June, after which the plants die. They are fine border plants and the color of the flowers is exceptionally pure.

Single. **Cup-and-Saucer**. Blue, Pink, White, or Mixed.
Double. Mixed.

Each, pkt. 10c

230 **CANDYTUFT**, **Perennial (Iberis)**. White and Lilac. Each, pkt. 10c; 1/4 oz. 80c.

231 **CARNATIONS, Hardy Border**. Dwarf, compact plants with a great profusion of double flowers in various colors. Early flowering and invaluable for cutting. Will bloom first year if seed is sown early. Carnations like lime. 1 ft. Red, Pink, White, Yellow, and Mixed. Each, pkt. 15c; special pkt. 50c.

232 **CHINESE LANTERN PLANT**. An ornamental plant, forming dense bushes about 2 feet high, producing freely its bright orange-scarlet, lantern-like fruits which can be cut and dried for winter bouquets. Pkt. 10c.

233 **CHEIRANTHUS Allioni**. **Siberian Wallflower**. A biennial. Brilliant orange flowers. 1 ft. For the rock-garden. Pkt. 10c.

234 **COREOPSIS lanceolata grandiflora**. A hardy perennial bearing a profuse and long-continued succession of large, bold, golden yellow flowers during the whole summer months. Seed sown in March will flower the same season. 2 1/2 ft. Pkt. 10c.

235 **COLUMBINE (Aquilegia)**. Graceful plants with long-spurred flowers. Thrives under ordinary garden culture. Orange and Scarlet, Blue, Pink, and All Shades, Mixed. Each, pkt. 10c.

236 **Mrs. Scott Elliott's Strain**. Pkt. 25c.

237 **DAISY, English, Double (Bellis perennis)**. Seed should be sown from June 1 until September, transplanted in the fall, and they will flower the following spring. If sown in the spring, they will flower in the autumn. 4 in. White, Pink, Crimson, and Mixed. Each, pkt. 10c.

SHASTA DAISY. Very large, white flowers on long stems.

238 **Single**. Pkt. 10c.

239 **Double**. Fine for cutting. Extra-large. Pkt. 25c.

DELPHINIUM. **Hardy Perennial Larkspur**. Highly prepossessing plants of stately appearance and of easiest culture. Their main season of bloom is in June, but if the flower-spike is cut back promptly it will branch and flower all through fall.

240 **D. Bellamosum**. Deep blue. Pkt. 10c; 1/4 oz. \$1.00.

241 **D. Belladonna**. Light blue. Pkt. 10c; 1/4 oz. \$1.00.

242 **D., Iceberg**. Pure white. Pkt. 10c; 1/4 oz. \$1.00.

243 **D., Deep Scarlet**. Pkt. 10c; 1/4 oz. \$1.50.

244 **D., Prize Mixture of Tall Varieties**. A glorious strain, comprising outstanding colors and varieties. Pkt. 10c; 1/4 oz. \$1.00.

245 **D., Wrexham Extra-Double New Hybrids**. Large, double flowers in big heavy spikes. A fancy blending of light and dark shades. Pkts. 25c and 50c.

246 **D., M.-S. Hollyhock Strain, Choice Mixed**. Producing one large spike with double and single flowers of enormous size. Light shades. Pkts. 25c and 50c.

247 **DIANTHUS plumarius**. **Garden Pinks**. These varieties are well adapted for beds and borders. They have a delightful, refreshing, spicy odor. Should be in every garden where cut-flowers are wanted, and make a fine edging to a hardy border. **Single or Double, Mixed**. Pkt. 10c; 1/4 oz. 40c.

248 **D. latifolius atrococcineus**. Double; pink shades. Dwarf. Very free flowering. For rock-garden. 1 ft. Pkt. 10c.

249 **DIGITALIS**. **Foxglove**. Handsome ornamental hardy plants of stately growth, succeeding almost anywhere. Produces long spikes of beautiful, tubular-shaped flowers. 4 to 5 ft. Purple, Pink, Salmon, Spotted, White, Yellow, and All Colors Mixed. Each, pkt. 10c; oz. \$1.00.

250 **FLAX (Linum)**.
Bright Blue. 24 in.
Scarlet. 16 in.
Yellow. 12 in.

Each, pkt. 10c

251 **FEVERFEW**. Double; white. Fine for cut-flowers. 1 1/2 ft. Pkt. 10c.

252 **GEUM**. Double flowers of intense orange-scarlet. For sunny location. 2 ft.
Mrs. Bradshaw. Double; scarlet.
Lady Stratheden. Golden yellow.
Each, pkt. 10c

253 **GAILLARDIA**. If sown early, will bloom first season. Mixed colors. Pkt. 10c; oz. 90c.

254 **GYPSOPHILA paniculata alba**. White. Pkt. 10c; oz. 75c.

255 **G. repens**. A fine trailing plant, covered with tiny flowers. For rock-gardens. 8 in. White and light rose. Pkt. 10c.

256 **HIBISCUS**. **Mallow**. Easily grown, strong plants with large, showy flowers. 4 ft. Various colors, mixed. Pkt. 10c.

257 **HEUCHERA sanguinea**. **Coral-Bells; Alumroot**. Spikes of vivid crimson flowers. Excellent for cutting. For rock-gardens. 1 ft. Pkt. 10c.



Shasta Daisies

ORDER BY NUMBER AND NAME

Pyrethrums Are Lovely and Keep Insects Away

258 HELIANTHEMUM mutabile. *Rock-or Sun-Rose.* A very pretty perennial for the rockery, completely covered with masses of bloom from July to September. 1 ft. Choice mixed varieties. Pkt. 10c.

259 HOLLYHOCK, Double, Colorado Sunset. Copper, Black, White, Yellow, Newport Pink, Crimson, and Mixed. Each, pkt. 10c; oz. \$1.25.

260 H., Single. Choice colors, mixed. Each, pkt. 10c; oz. \$1.25.

261 HONESTY (Lunaria). Hardy biennial, admired for its silvery seed-pods which are used for ornamental purposes. Beautiful and curious. 2 ft. Pkt. 10c.

262 HELIOPSIS Pitcheriana. *Orange Sunflower.* A handsome hardy perennial, producing an abundance of deep orange-yellow flowers the entire summer. Excellent for cutting. 3 to 4 ft. Pkt. 10c.

263 HELIANTHUS. *Sunflower.* Miniature double. 3 to 4 ft. Pkt. 10c.

264 KUDZU VINE (Pueraria Thunbergiana). A beautiful climber, remarkable for its great vigor of growth and its handsome purple flowers. Perfectly hardy, increasing in size and beauty year after year. Fine for arbors, verandas, etc. Pkt. 10c.

265 LATHYRUS latifolius. *Perennial Sweet Pea.* Showy, hardy climber fine for covering walls and stumps. Free flowering. Pink, Red, White, and Mixed. Each, pkt. 10c; oz. 75c.

266 LUPINUS. Hardy perennials of easy culture, with graceful spikes of pea-shaped flowers in May and June. 2 to 3 ft. Blue, Pink, White, and Mixed. Each, pkt. 10c.

266½ RUSSELL LUPINS. New miracle flowers. The 4-foot plants bear enormous, symmetrical flower-spikes 5 inches in diameter and up to 3 feet in length. Gorgeous colors in all shades of the rainbow. Flowers keep well when cut. 12 seeds 25c; 50 seeds 65c, in grower's original packets.

267 LAVENDER vera. Fragrant blue flowers. Pkt. 10c.

LUNARIA. See **Honesty.**

MYOSOTIS. *Forget-me-not.* Beautiful half-hardy perennials, succeeding best in moist, shady situations. Sown in the spring they will flower in the fall; if wanted for early spring flowering, seed should be sown in frames in July or August.

268 M. alpestris. Plants of bushy habit, bearing bright blue flowers. Very fine. For rock-garden. Pkt. 10c.

269 M. palustris. Dwarf, everblooming blue sort. Pkt. 10c.



Oriental Poppy

270 NEPETA Mussini. A favorite perennial. Blue-gray foliage. Pale mauve flowers. For rock-garden. 9 in. Pkt. 10c.

271 OENOTHERA missouriensis. Large bright yellow flowers. For rock-garden. 4 in. Pkt. 10c.

272 PENTSTEMON grandiflora, Mixed. A splendid mixture of flowering sorts in a good range of colors. Hardy. Pkt. 15c.

273 POPPIES, Oriental. Perfectly hardy plants with enormous flowers. 3 ft. Crimson-Scarlet and Mixed. Each, pkt. 10c.

274 P., Mrs. Perry. Rich salmon-pink. Pkt. 15c.

275 P., Iceland. These dwarf, bright Poppies are most beautiful when grown in masses from seed sown every year. 1 ft. Pink, Orange, Yellow, and Single or Double, Mixed. Each, pkt. 10c.

276 PHYSOSTEGIA. *False Dragonhead.* Very pretty, making dense bushes, bearing freely, delicate, tubular pink flowers. July, August. 3 to 4 ft. Pkt. 10c.

277 PRIMULA veris, Hybrids. *Cowslip Primrose.* Hardy Primroses are among the most prized of our spring-blooming plants. 1 to 1½ ft. Mixed colors. Pkt. 10c.

278 P. obconica. *Top Primrose.* Winter- and Spring-blooming pot-plant. Pkts. 60c and \$1.00.

279 PLATYCODON grandiflorum japonicum. *Japanese Balloon-Flower.* Blue, bell-shaped flowers all season. 2 to 3 ft. Pkt. 10c.

280 PYRETHRUM. Handsome hardy perennial plants for the herbaceous border. Single Mixed and Double Mixed. Each, pkt. 10c.

281 P., Dark Red, Kelway Strain. Pkt. 15c; ¼ oz. \$1.00.

282 PHLOX, HARDY. For a gorgeous show these are the most satisfactory of all perennial plants. Mixed colors only. Pkt. 10c; ¼ oz. 50c.

283 RUDBECKIA Newmanni. *Showy Coneflower.* One of the finest of autumn-flowering perennials, bearing large flowers made up of bright orange-yellow petals surrounding a big black cone. Pkt. 10c.

284 R. purpurea. Most interesting plant, producing all summer, large, showy, reddish purple flowers. Pkt. 10c.

285 SALVIA azurea. Produces spikes of sky-blue flowers during August and September. 3 to 4 ft. Pkt. 15c.

286 STATICE latifolia. *Sea-Lavender.* Splendid hardy perennials, either for the border or rockery, producing, all summer, panicles of minute purplish blue flowers, which can be dried and used for winter bouquets. 2 ft. Pkt. 10c.

287 SAPONARIA ocymoides. A splendid plant for the rockery. Rose-colored flowers. 9 in. Pkt. 10c.

288 SCABIOSA. One of the handsomest of hardy perennials, especially valuable for cutting, the blooms lasting a long time in water. 3 ft. Lavender, White, and Mixed. Each, pkt. 10c.

289 S., Isaac House Strain. An improvement on the above with larger flowers and longer stems. Color, from soft lavender to dark blue. Mixed. Pkt. 15c.

290 SEDUM spectabile. Erect-growing variety with broad, light green foliage and large heads of rose-colored flowers. 1½ ft. Pkt. 25c.

291 STOKESIA laevis. *Cornflower Aster.* Blooms all summer. Large, attractive, blue flowers, resembling asters. Fine cut-flow-ers. 2 ft. Pkt. 10c.

292 SWEET ROCKET (Hesperis). Excellent for naturalizing among shrubbery or for planting in a permanent border. Fragrant flowers. 2 to 3 ft. White, Lavender, and Mixed. Each, pkt. 10c.



Stokesia laevis

293 SWEET WILLIAM (Dianthus barbatus). This is one of the finest of our hardy garden plants. Single Scarlet, Newport Pink, White, Auricula-eyed, and All Colors Mixed and Double Mixed. Each, pkt. 10c; oz. 75c.

294 S. W., Dwarf or Alpine. A fine new strain of excellent dwarf type, most suitable for edging and rock-gardens. The flower-heads are very large and the color-range a selection of many bright and dark shades. Pkt. 25c; large pkt. 75c.

295 TRITOMA hybrida. *Red-Pot Poker; Flameflower; Torchlily.* Pkt. 10c.

296 VALERIANA officinalis. *Garden Heliotrope.* Hardy perennial border plant. Large, fragrant flowers with odor resembling that of the heliotrope. 2 to 3 ft. Mixed, Red and White. Pkt. 10c.

297 VIOLET, Blue Czar. Deservedly much in demand because of its profusion of single, blue blooms and delicate odor. Pkt. 10c.

298 VERONICA. *Speedwell.* Blue flowers. June, July. 1½ ft. Pkt. 10c.

299 VIOLA cornuta. *Tufted Pansy.* For rock-garden. All colors, mixed. Pkt. 10c; oz. \$2.50.

300 V., Jersey Gem. Possesses the dwarf habit and continuity of bloom of the Tufted Pansy, but is of more vigorous growth, making it one of the finest bedding varieties. Blooms rich violet, slightly perfumed. For rock-garden. Pkt. 50c; large pkt. \$1.25.

301 WALLFLOWER. Favorite sweet-scented flowers of fine colors. Splendid for cutting and useful as spring bedders. Single- and double-flowering, finest mixed. Each, pkt. 10c.

W., Siberian. Sec No. 233.

The Book of Perennials

By Alfred C. Hottes

Tells how to grow successfully and enjoy over 145 genera of our most popular and durable of border plants. Lists of different perennials for different purposes and a condensed tabular list of over 500 species. Gives general principles of growing, using, selecting, propagating, discusses insect and disease troubles and remedies. 280 pages, 117 illustrations. Cloth \$2.00, postpaid \$2.15.

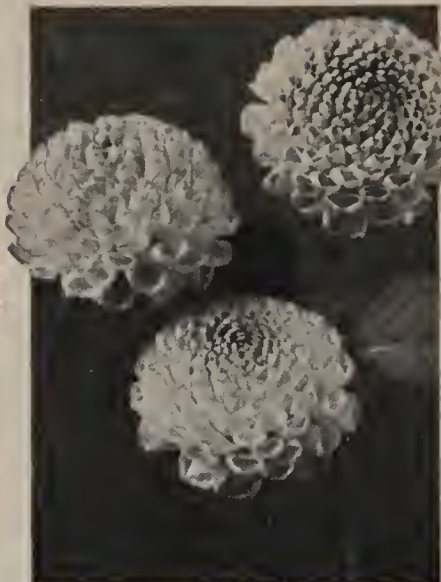
ORDER BY NUMBER AND NAME



Decorative



Cactus



Show or Ball



Decorative

M.-S. SUPERB DAHLIAS

CULTURE. Dahlias are at their best during the latter part of September or early in October. To get exhibition blooms, disbud plants up to August 1. Spade or plow the soil 1 to 1½ feet deep; fertilize with Wizard Brand Manures and Hyper-Humus; scatter

about ¼ pound of bonemeal around each hill when planting. If soil is very heavy, incorporate a liberal quantity of granulated peat moss. About August 1, apply ¼ pound of M.-S. Special Plant Food to each plant and work in thoroughly.

For Parcel Post orders on Dahlias, add 5c to each; 25c for each dozen

Seven New Giant-flowering Decorative Dahlias for 1939

Fine for cut-flowers or exhibition purposes. They will all measure from 10 to 14 inches or more in diameter.

Amelia Earhart. Large; apricot-buff with primrose at base of petals; fine form. One of the best. \$1.00 each.

Clara Carder. Old-rose, edged gold. Wonderful flower. \$1.00 each.

J. K. Alexander, Jr. A deep crimson, with orange fleck in center; the immense flowers 12 to 16 inches in diameter grow on top of stems. 50c each; 3 for \$1.25.

Mrs. George Le Boutellier. Flowers large, very deep. One of the finest bright carmine-reds passing to a rich cardinal. \$1.00 each; 3 for \$2.50.

Mrs. J. K. Alexander. One of the largest and best clear buttercup-yellow Dahlias grown. Fine stems and very free flowering. \$1.00 each; 3 for \$2.50.

Miss Long Island. A splendid variety. Bright watermelon-pink, showing silver at tips of petals; large, beautifully formed flowers on stiff stems. This Dahlia sold for \$3.50 last season, now \$1.00 each, net.

Wenoka. Deep rose-mauve, borne on fine long stems. Very free flowering. \$1.00 each; 3 for \$2.50.

SPECIAL OFFER

One each of above 7 varieties, \$5.00

Show or Ball Dahlias

These Dahlias are excellent cut-flowers because they will last very long in water. They do not grow as large as the Decorative type but are very pretty.

All, 25c each
The 5 for \$1.00

A. D. Livoni. Pink, on the orchid shade. Fine cut-flower.

Jean Kerr. Pure white. Fine cut-flower.

Maude Adams. Snow-white, overlaid pink. Very lovely as a cut-flower.

Mrs. Clara D. Anderson. Deep garnet.

Robert Broomfield. Clear white.

Decorative Dahlias

All large-flowering Dahlias, excellent for decorating or exhibition or for the house, as a cut-flower. Proven by test to be the best.

3 of any 25c variety for 60c; 3 of any 35c variety for 75c; 3 of any 50c variety for \$1.25.

The entire list (36 roots) for \$11.75

Alice Green. Golden autumn shade. 35c.

Alice Marie Galvin. White with faint tones of cameo-pink. 35c.

Alma Alexander. Deep orange. 25c.

Avalon. A pure yellow. 25c.

Bagdad. Large; flaming scarlet-red. 50c.

Bishop Francis J. Spellman. Pure white; long stems. One of the best. 75c each; 3 for \$2.00.

Champoe. This is one of the finest three-colored Dahlias offered. Lemon-yellow, suffused rose, with soft carmine overlay. Good stems. 50c.

Charlotte Alexander. White veined purple. 25c.

Coquette. Red and gold, beautiful. 35c.

Eastern Star. Yellow with gold shadings. 25c.

Eastland Sunbeam. Deep cinnamon-red; large, showy Dahlia on long stems. 50c.

Francis Larocco. Fine clear light yellow. One of the best cut-flowers grown. 25c.

Jacques Futrelle. Light greenish yellow. 35c.

Jane Cowl. A blend of bronze, buff, and gold. Excellent stems. 25c.

Jaurice. Large; purplish crimson; fine long stems. 50c.

Jersey's Beacon. Chinese-red. Fine flower. 25c.

Jersey's Beauty. True pink. One of the finest. 25c.

Kathleen Norris. True rose-pink. One of the best. 35c.

King of the Blacks. Nearest to black of any Dahlia grown. Fine form. 75c.

Mabel Goodacre. Soft pink and salmon, suffused with orange. 50c.

Margaret K. Alexander. Buff-yellow. 25c.

Mrs. I. de Ver Warner. Mauve-pink, more to the orchid shade. Free flowering. Very fine. 25c.

Mrs. John T. Scheepers. Large; canary-yellow, tipped old-rose. 25c.

Pride of Fort Morgan. Large; superb crimson-red. 50c.

Radio. Huge red blossoms, edged and tipped golden yellow. 35c.

Rocky Ledge. One of the best yellows grown. 35c.

Rose Alexander. Deep chrome-orange, edge of petals tipped white. 50c.

Decorative Dahlias, continued

Salem Pride. Rhodamine-purple, flecked white; large. One of the best. 35c.

Sanhican's Queen. Very fine apricot and carmine-rose. 35c.

Somerset. Salmon and old-gold shades. A fine flower and beautiful. 25c.

Thomas Edison. Beautiful royal purple. 35c.

W. H. T. Old-rose-pink. Beautiful Dahlia on fine stems. 35c.

White King. Large; white. 35c.

White Wonder. Large; fine clear white. 35c.

Yankee King. Coppery rose. Fine. 35c.

Yankee Queen. A large fine pink. 35c.

Cactus Dahlias

These are of the curled and twisted type.

The 7 for \$2.00

Chemar's Masterpiece. Large; orchid-pink. 50c.

Cigarette. Soft red, tipped white. 35c.

Elkridge. Splendid pure white. 50c.

Kalif. Deep scarlet. 35c.

Mrs. Ethel F. T. Smith. A large white Dahlia shading to lemon-yellow. 25c.

Roycroft. Golden bronze. 25c.

Samuel T. Alexander. Japan rose. 50c.

Pompon Dahlias

These are sometimes called "Bouquet Dahlias" as they are exceptionally fine as a cut-flower.

All, 25c each

The 7 for \$1.25

Amber Queen. Bright amber. Very fine.

Golden Queen. Rich yellow.

Jessica. Amber, tipped red.

Lassie. Yellow, edged and tipped rose.

Little David. Deep orange.

Raphael. Maroon.

Snowclad. White. Very good.

MODERN DAHLIA CULTURE

By W. H. Waite

The originator of Jersey's Beauty and other highly popular Dahlias. Gives soil, fertilizers, propagation, culture, pruning, insect pests and diseases, winter storage and classifications. 132 pages, 24 illustrations, and 6 color-plates. Cloth \$1.50, postpaid \$1.65.

M.-S. SUPERFINE GLADIOLUS

Novelty Collection

- Canberra.** Beautiful clear yellow; long spikes.
Debonair. La-France-pink. A grand exhibition variety.
Duna. Soft bright pinky buff, shading to pale yellow—a distinct new shade in Glads.
Mother Machree. Lavender, enhanced by an overlay of salmon-pink.
Pelegrina. Large florets of a lovely deep blue color, well arranged on a straight stem.
Red Phipps. Magnificent tall spikes set with huge light red blooms.

10c. each

M.-S. NOVELTY COLLECTION: One of each (6 varieties), 40c; 2 of each (12 bulbs), 75c; \$5.00 per 100. 50 at 100 rate.

Bulbs kept separately, same price

M.-S. Giant-flowering Mixed Gladiolus

Composed of all named varieties in gorgeous blending

35c per doz.; \$2.00 per 100. 50 at 100 rate



Gladiolus, Picardy

M.-S. Gladiolus Collection No.1

- Aflame.** Begonia-rose, edged with bright orange flame.
Betty Nuthall. One of the finest. A soft tone of light salmon-pink with pale orange throat.
Commander Koehl. One of the finest red varieties. Flowers large, brilliant scarlet-blood-red, on tall stems.
Dr. F. E. Bennett. Shows up like "house-fire." Large, bright scarlet flower.
Golden Dream. Clear deep yellow; long stems.
La Paloma. A vivid, orange-colored Gladiolus of large size. Splendid spikes for cutting.
Maid of Orleans. Large, perfectly formed white flowers with cream centers, on straight spike.
Margaret Fulton. Rich deep salmon, shaded apricot in the throat. A gorgeous flower.
Minuet. Light lavender, with 4 to 6 large, heavy blooms open at one time.
Mrs. Van Konynenburg. Light violet or lavender-blue. Early midseason. Tall grower.
Picardy. Clear flesh-pink, quite unmarked, shading to soft shrimp-pink at the petal edges. Flowers are often 6 inches or more across, and as many as ten of them, open in full glory at one time on the tall, straight spikes.
Veilchenblau. First large violet-blue variety; lower petals have a darker blotch.

COLLECTION NO. 1: One of each (12 varieties), 60c; \$4.00 per 100. 50 at 100 rate.

Bulbs kept separately, same price

M.-S. Gladiolus Collection No.2

- Flaming Sword.** Bright red variety. Early bloomer; 4 to 6 open at the same time.
Giant Nymph. Light pink, suffused with cream-yellow; large flowers on strong spikes.
Gold Eagle. Extra-early. Deep rich yellow, slightly ruffled.
Marmora. Extra-large, lavender-gray flowers with pale purplish blotch, on long stems, 8 to 12 open at one time.
Mrs. Francis King. Light scarlet, lower petals splashed deeper red. Tall spikes.
Mrs. Frank Pendleton, Jr. Delicately flushed salmon-pink, a rich maroon blotch on the three lower petals.
Mrs. Fred C. Peters. Gorgeous light blue flowers with deeper markings, many open on long stems.
Mrs. Leon Douglas. Often 6 feet tall, with large flowers of choice rose-pink.
Peace. Enormous, pure white flowers with lilac feather on the lower petal.
Persia. Shiny, velvety dark maroon. Almost black.
Pfitzer's Triumph. Enormous blooms of bright salmon-orange, with very small, deeper throat blotch; requires staking. Early.
Virginia. Wide-open flowers of a bright, cheery Christmas red.

COLLECTION NO. 2: One of each (12 varieties), 50c; \$3.00 per 100. 50 at 100 rate.

Bulbs kept separately, same price

Our Bulbs Are 1½ Inches and Up

If to be sent by Parcel Post, add postage at 5c per doz.; 25c per 100

Our list comprises the best of recent introductions as well as the most popular of the standard varieties. Plant bulbs 4 inches deep and 6 inches apart.



Gladiolus, Red Phipps

MISCELLANEOUS BULBS



Begonias, Tuberous-rooted

Enormous, waxlike flowers appear uninterruptedly from June until frost. Start indoors in March, and transfer when frosts are over.

A most charming plant with beautiful foliage. We are offering single and double varieties in Red, White, Yellow, Pink, Salmon, and Mixed. 25c each; \$2.50 per doz. If to be sent postpaid, add 2c each 15c per doz

Fancy-leaved Caladiums

Most attractive ornamental foliage plants of easy culture. Will do well outdoors in the open as well as in pots in a half-shaded exposure, with plenty of moisture and rich humus-containing soil. Also as house plant or for conservatories, or in window-boxes between ferns or small palms, they give a very beautiful effect.

Nine Outstanding Varieties. Can be supplied in separate colors or mixed. 25c each; \$2.50 per doz. If to be sent postpaid, add 2c each; 10c per doz.

Caladium • Elephant's-Ear

As centerpieces in flower-beds, Caladiums answer well. Monster bulbs, 15c each; \$1.50 per doz. If to be sent postpaid, add 5c each; 25c. per doz.



M.-S. Superfine Cannas

M.-S. Superfine Canna Bulbs

CULTURE. Canna tubers should not be put into the ground until the soil has become warm. Start indoors middle of March. They commence blooming in June and continue until frost. Every shoot bears flowers and these shoots are being constantly produced throughout the blooming season.

NOTE. Our prices are for dormant roots in strong divisions of 2 and 3 eyes. After May 1 our stock of roots is usually sold, at which time we can fill orders with plants of some varieties.

GREEN FOLIAGE VARIETIES

Copper Giant. Immense madder-red flowers with a suffusion of rose that gives a coppery effect. 4 ft. 10c each; \$1.00 per doz.

Hungaria. Plant dwarf and compact. Flowers rich peach-blossom-pink. Foliage green and very massive. 3½ ft.

The President. This splendid variety produces immense flowers of a rich, glowing scarlet. Green foliage. 3½ ft.

Wintzer's Colossal. One of the largest flowering varieties. Bright scarlet. Green foliage. 5 ft.

Yellow King Humbert. A sport from King Humbert and a majestic variety with massive foliage. Flowers golden yellow, dotted red. Green foliage. 4½ ft.

BRONZE FOLIAGE VARIETIES

King Humbert. Coppery scarlet flower and broad, deep bronze foliage. 4 ft.

Shenandoah. Flowers salmon-pink, in large clusters. Ruby-red foliage. 4 ft.

Wyoming. Orange-chrome-red. Bronze foliage. 6½ ft.

All Cannas, 5c each; 50c per doz.;

\$3.50 per 100, except where noted

For postage, add 10c per doz.; 25c per 100

CANNA PLANTS in season, market price.

Hyacinthus candicans

Cape Hyacinth

A strong-growing, summer-flowering variety of Hyacinth quite distinct from those which bloom in the spring. Makes a strong stately flower-spike, 3 to 5 feet high, which bears from 20 to 30 pure white, bell-shaped blooms during the summer and early fall. It is hardy here. 15c each; \$1.50 per doz.

Madeira Vine

Heart-shaped leaves and feathery flowers with delicious fragrance. Here is what you want if a quick growth is desired. Hardy in this latitude if protected with litter. Roots, 10c each; 3 for 25c. If to be sent postpaid, add 2c each; 10c per doz.

Montbretias

These are one of the brightest and most attractive of summer-flowering bulbs and should be planted extensively. Set out in the early spring, in clumps of a dozen or more, placing the bulbs 3 to 6 inches apart. They should be protected during the winter with a heavy covering of leaves or litter.

Fire King. Fiery red.

George Davison. Pure golden yellow.

Meteor. Orange-red.

75c per doz.; \$5.00 per 100. 50 at 100 rate. If to be sent postpaid, add 5c per doz.; 20c per 100

MAY—Plant Outdoors

Begonias	Caladiums	Montbretias
Cannas	Dahlias	Gladiolus
Tuberose	All potted plants	

SEPTEMBER, OCTOBER AND NOVEMBER

Hyacinths	Tulips	Narcissus	Lilies
Jonquils	Crocus	Peonies	

In fact, all spring-flowering bulbs

List in season, on request

Oxalis

Valuable for edging. Blooms all summer.

Lasiandra. Rosy pink. Beautiful cut foliage. Hardy perennial. Mammoth bulbs, 30c per doz.; \$2.00 per 100. If to be sent postpaid, add 5c per doz.; 20c per 100.

Peruvian Daffodil

Ismene calathina

A grand summer-flowering bulb with large, amaryllis-like, pure white, fragrant blossoms. Keep the bulbs in a dry, warm place and plant out in June. Take up in October, rest a few weeks, and then pot for winter flowering in the house. 25c each; \$2.50 per doz. If to be sent postpaid, add 5c each; 20c per doz.

Tigridia • Shellflower

Mexican bulbs producing showy, large, oddly shaped blooms of exotic beauty. Well suited to planting in the mixed border. Handle the same as gladiolus. Blooms all summer long. 1½ ft. 20c each; \$2.00 per doz.

Tuberose

CULTURE. One of the most fragrant and popular of the summer-flowering bulbs. May be started early in hotbeds or pots or planted in open ground after May 1. The bulbs we offer are not to be compared with cheap ones—ours are sure bloomers. Soaking them overnight in lukewarm water promotes rapid growth.

Albino (Mexican). This charming single pure white variety begins to flower in July and continues to August. Delightfully fragrant. 10c each; 60c per doz.; \$4.00 per 100.

Double Pearl. One of the most delightfully fragrant and beautiful of the summer-flowering bulbs. For blooming in the open, plant about the middle of May, or as soon as the ground becomes warm. Strong flowering bulbs, 40c per doz.; \$2.75 per 100.

If to be sent postpaid, add 10c per doz.; 25c per 100

All About Flowering Bulbs

By T. A. Weston

Practical and authoritative information on the culture and flowering of all the common and some uncommon bulbs used outdoors and indoors. 186 pages, 8 full-page color plates and 65 full-page half-tones. Cloth \$2.00, postpaid \$2.15.



Montbretias

NURSERY DEPARTMENT

Hardy Evergreen Flowering Shrubs

- Azalea Hinodegiri.** Dense clusters of bright fiery red flowers. 12 in., \$1.00 each; 12 to 15 in., \$1.75.
- Pyracantha.** Firethorn. White flowers in late spring, followed by brilliant orange-scarlet berries, lasting into the winter. 6 ft. 2 to 3 ft., \$3.00 each.
- Rhododendrons.** In different varieties and sizes. Prices on application.

Hardy Deciduous Flowering Shrubs

- Althea.** Rose-of-Sharon. Double; red, purple, white, and white with red center. 2 to 3 ft., 50c each.
- Bridal Wreath (Spirea).** 2 to 3 ft., 50c each.
- Butterfly-Bush (Buddleia).** 2 to 3 ft., 50c each.
- Button-Bush (Cephalanthus occidentalis).** Round balls of creamy white flowers produced in abundance from July to September. 8 to 12 ft. 1½ to 2 ft., 35c each.
- Christmas Berry (Photinia villosa).** Beautiful white flowers in June with brilliant red berries which hang on until after Christmas. 12 to 15 ft. 2 to 3 ft., 75c each.
- Coral-Berry (Symphoricarpos vulgaris).** Slender, arching shrub bearing bunches of bright coral-pink berries which hang on almost all winter. 5 ft. 2 to 3 ft., 35c each.
- Golden Bell (Forsythia), Fortune's.** 3 to 4 ft., 50c each.
- Hydrangea paniculata.** 2 to 3 ft., 50c each.
- Jetbead (Rbodotypos kerrioides).** Pretty white flowers in May and June. Attractive foliage. Shining black berries during winter. 4 to 5 ft. 2 to 3 ft., 35c each.
- Lilac, Common.** 2 to 3 ft., 50c each.
- L., French.** 2 to 3 ft., 75c each.
- Pachysandra.** An evergreen trailing plant with glossy foliage, forming a dense mat. One of the finest ground-covers. Strong plants, \$2.00 per doz., postpaid \$2.20.
- Pearl-Bush (Exochorda grandiflora).** Handsome clusters of white flowers in May. Bushy habit. 8 to 10 ft. 2 to 3 ft., 35c each.
- Periwinkle.** Trailing Myrtle. An excellent dwarf evergreen trailing plant. Used for covering the ground under shrubs or on graves. Will grow in dense shade. 15c each; \$1.50 per doz.
- Snowball, Common (Viburnum Opulus).** 2 to 3 ft. 75c each.
- Snowball, Japanese (Viburnum japonicum).** 2 to 3 ft., 75c each.
- Snowberry (Symphoricarpos racemosus).** Tiny pink flowers in June followed in the autumn with a profusion of snow-white berries. 4 to 5 ft. 2 to 3 ft., 35c each.
- Sumac, Fragrant (Rhus canadensis).** Showy yellow flowers in spring and sweet-scented leaves. Bunches of coral-red fruit in summer. 4 to 5 ft. 2 to 3 ft., 60c each.
- Sweet-scented Shrub (Calycanthus).** 2 to 3 ft., 60c each.
- Weigela.** One of the most conspicuous shrubs cultivated. Flowers either red or pink. 2 to 3 ft., 50c each.
- Winged Euonymus (E. alatus).** Very bushy shrub with corky bark and large leaves, turning to deep crimson in autumn. 8 to 10 ft. 2 to 3 ft., 60c each.
- Morrow Honeysuckle (Lonicera Morrowi).** Tiny, deliciously scented waxen flowers in early spring before leaves unfold. Profusion of bright red berries in early autumn. 6 to 8 ft. 3 to 4 ft., 75c each.

Flowering Trees

- Dogwood, White.** 3 to 4 ft., \$1.50 each.
- Dogwood, Red.** 2 to 3 ft., \$2.00 each.
- Peach, Double-flowering Pink.** 4 to 5 ft., \$1.25 each.
- Almond, Double Pink.** 2 to 3 ft., \$1.00 each.

Other Flowering Trees on application

Shade Trees

- Catalpa Bungei.** Umbrella Tree. 5 to 6-ft. stem, 2-yr. head, heavy, \$1.25 each.
- Elm, American.** 10 to 12 ft., 1¾ to 2-in. caliper, \$1.50 each.
- Maple, Norway.** 8 to 10 ft., 1 to 1¼-in. caliper, \$2.50 each.
- M., Red.** 8 to 10 ft., 1 to 1¼-in. caliper, \$2.50 each.
- M., Silver.** 8 to 10 ft., 1 to 1½-in. caliper, \$2.00 each.
- M., Sugar.** 8 to 10 ft., 1 to 1¼-in. caliper, \$2.50 each.
- Plane, Oriental.** 8 to 10 ft., 1 to 1¼-in. caliper, \$2.50 each.
- Poplar, Carolina.** 10 to 12 ft., 1¼ to 1½-in. caliper, \$1.50 each.
- P., Chinese.** 8 to 10 ft., \$1.50 each.
- P., Lombardy.** 8 to 10 ft., \$1.00 each.
- P., Tulip.** 8 to 10 ft., \$2.75 each.
- Willow, Weeping.** 6 to 8 ft., \$1.75 each.

Many other kinds; prices on application

Hedges

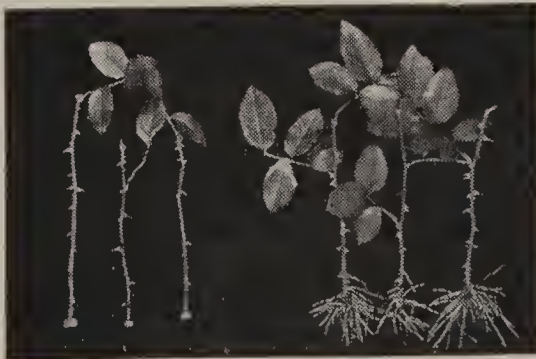
- New Red Barberry.** 10 to 12 in., 30c each; \$3.00 per doz. 1½ to 2 ft., 40c each; \$4.00 per doz. 2½ to 3 ft., 50c each; \$5.00 per doz.
- Japan Barberry.** 15 to 18 in., 20c each; \$2.00 per doz. 1½ to 2 ft., 25c each; \$2.50 per doz.
- California Privet.** 1 to 1½ ft., 2-yr., 3 branches and up, 50c for 10. 1½ to 2 ft., 3-yr., 4 branches and up, 75c for 10.

Vines

- Boston Ivy.** Clings to smoothest surfaces. Strong plants, 2 to 3 ft., 50c each, postpaid 65c.
- Clematis Jackmani.** Popular. Rich purple. 75c each, postpaid 85c.
- C. paniculata.** Creamy white; very fragrant. 2-yr., 50c, postpaid 65c.
- Kudzu Vine.** A vine often making a growth of 50 to 75 feet in one season. Fragrant purple flowers. Invaluable for covering porches, etc. Strong plants, 60c each, postpaid 75c.
- Wisteria.** Vigorous, strong-growing vine. Rich violet-blue flowers; deliciously sweet. 2-yr., 75c each, postpaid 90c.

Hormodin

"The Root-forming Chemical"



Not Treated

Treated

Hormodin is a hormone-like plant-growth substance whose principal use is to stimulate rapid root-growth on cuttings. It has widespread use in propagating cuttings. Many cuttings formerly impossible to propagate may now be rooted with the aid of Hormodin. Size 20, B. T. I. units (will treat up to 600 cuttings) \$1.00. Size 60, \$2.00; Size 240, \$7.00; Size 480, \$13.00; Size 960, \$24.00. All postpaid. Descriptive circular on request.

Auxilin. A root-forming chemical. 1/16 oz. (will treat up to 600 cuttings), 50c; 1/2 oz. \$1.00, postpaid.

Water-Lilies

The hardy Water-Lilies are suitable for either artificial pools or natural ponds. Good soil must be provided and only moderately deep water over the soil—8 to 12 inches is ideal. Strong roots are available after May 1. We offer the following dependable garden varieties:

- Chromatella.** An old standard variety producing flowers of clear rich yellow of good size. A very free grower. \$1.00 each.
- Comanche.** A strong-growing variety producing lovely flowers of a rich apricot color, changing to deep, coppery bronze and red as the flower ages. \$2.00 each.
- Gloriosa.** Undoubtedly the most satisfactory red-flowering hardy Water-Lily. Flowers of good size produced very freely; sweet smelling. \$2.00 each.
- Marliac Flesh.** A lovely soft flesh-pink in color; fragrant. Freely produced throughout the season. \$1.00 each.
- Marliac White.** A vigorous variety producing flowers of good size of sparkling whiteness. Very desirable. \$1.00 each.
- Pink Opal.** Moderate-growing variety of deep, rich pink in color. Suitable for restricted areas. 75c each.
- Sunrise.** A glorious yellow of recent introduction. Flowers of largest size and very free blooming. \$2.00 each.
- Unnamed Hardy Varieties.** Very good sorts. White, Pink, Red, and Cream. 50c each, postpaid 60c.

Prices on Water-Lilies are postpaid except where noted

We can also supply TROPICAL WATER-LILIES, varieties and prices on request

Climbing Hybrid Tea Roses

- NEW DAWN.** Plant Patent No. 1. It is identical in every way with its parent, Dr. W. Van Fleet, but blooms continuously throughout the summer and autumn months. Strong 2-yr. plants, \$1.50 each.
- BLAZE.** Plant Patent No. 10. The blazing color of Paul's Scarlet Climber and the everblooming habit of Gruss an Teplitz on a vigorous climbing plant. Strong 2-yr. plants, \$1.00 each.
- Dr. W. Van Fleet.** One of the most important climbing Roses, having perfectly formed, very solid, long-pointed flesh-pink buds. The flesh-pink flowers are very large, borne on long stems, fragrant, and fine for cutting. 75c each.
- Paul's Scarlet Climber.** No other Rose in any class can compare with it for brilliancy of color, which is a vivid scarlet that is maintained without burning or bleaching until the petals fall. 75c each.
- Climbing Kaiserin Auguste Viktoria.** A climbing form of this popular white Rose. \$1.00 each.
- Climbing Lady Ashtown.** The best of the climbing Hybrid Tea varieties. Very large rose-pink flowers. \$1.00 each.
- Climbing Mrs. Aaron Ward.** Beautiful yellow. \$1.00 each.

THE BOOK OF SHRUBS

By Alfred C. Hottes

A complete, non-technical description of the common Shrubs, showing how one differs from the other. Discusses under each species its characters, uses, soil, pruning and propagation. A table of varieties gives the height in feet, exposure to plant, soil, color of flowers, season of bloom, color of fruit, and notes on each species. 446 pages, 184 illustrations. Cloth \$3.00, postpaid \$3.15.

ROSES—Genuine Guaranteed ★ Star Roses

We handle Star Roses from the Conard-Pyle Company, West Grove, Pa., and every plant bears the star label which signifies the best Roses obtainable.

A list of several hundred Roses is confusing, so we have selected a few varieties, some old, some very new, but all tops in their class.

4 New Roses

- 1 **Angels Mateu**. Plant Pat. No. 174. **FOR**
1 **Feu Pernet-Ducher**.
Plant Pat. No. 103.
1 **Mme. Cochet-Cochet**.
Plant Pat. No. 129.
1 **Radio**. Plant Pat. No. 197.

\$3.95

6 Popular Roses

- 1 **Etoile de Hollande** **FOR**
1 **Mrs. E. P. Thom**
1 **Lady Ashtown**
1 **Mme. Butterfly**
1 **Mrs. P. S. du Pont**
1 **Editor McFarland**

\$4.95

TINTED

- Angels Mateu**. Plant Patent 174. Orange-rose. Prize-winner. \$1.25 each.
Condesa de Sagato. Copper and yellow. Distinct. A free bloomer. \$1.00 each.
Mme. Butterfly. Pink and gold. Steady-blooming and long-lasting. 75c each.
President Herbert Hoover. Pink and yellow. Long-lasting cut-flowers. 85c each.
Radio. Plant Patent 197. Yellow, striped carmine. \$1.25 each.

PINK

- Edith Nellie Perkins**. Salmon-pink. Early. Free. Fragrant. Fine to cut. 85c each.
Editor McFarland. Deep pink. Perfect form. Lasting cut-flowers. \$1.00 each.
Lady Ashtown. Shining pink. One of most satisfactory. 75c each.
Mme. Cochet-Cochet. Plant Patent 129. Coppery pink. Constantly interesting. Prize-winner. \$1.00 each.
Mrs. Charles Bell (Shell-Pink Radiance). Fragrant. Beautiful. 85c each.
Radiance. Rose-pink. Still popular and satisfactory. 75c each.

RED

- Ami Quinard**. Black-lustered red. Only semi-double but beautiful. Fragrant. 85c each.
Charles K. Douglas. Scarlet-crimson. Continuous bloomer, vivid color. 75c each.
E. G. Hill. Dark crimson; richly fragrant; perfectly formed. 75c each.
Etoile de Hollande. The world's finest red Rose. 85c each.
Red Radiance. Cerise-red. "Running mate" of famous Radiance. 75c each.

YELLOW

- Feu Pernet-Ducher**. Plant Patent 103. Radiant sunshine-yellow. Great exhibition Rose. \$1.00 each.
Mrs. E. P. Thom. One of best yellows. Firm, straight stems. 85c each.
Mrs. P. S. du Pont. Golden yellow. Beautiful form. Blooms incessantly. \$1.00 each.
Soeur Therese. Chrome-yellow. Blooms freely; long stems; holds color. \$1.00 each.
Ville de Paris. Buttercup-yellow. Different from other yellows. 75c each.



Rose, Edith Nellie Perkins

2-Year Field Plants

Dormant, with delivery prepaid till April 10, then potted. Out-of-town delivery not prepaid.

QUANTITY PRICES If you order 12 in all

	Each	
\$0.75 kinds	70	(Does not
\$0.85 kinds	75	include
\$1.00 kinds	90	Patented
\$1.25 kinds	110	Roses)

HOW TO GROW ROSES

By J. Horace McFarland and Robt. Pyle
18th edition; enlarged and entirely rewritten; profusely illustrated in color. 192 pages. \$1.00, postpaid \$1.10.

HARDY GARDEN CHRYSANTHEMUMS

Listed below is our collection of some pretty fine Chrysanthemums selected from the hundreds of varieties now in commerce. There are the lovely new Korean Hybrids and the low, mound-like Cushion Chrysanthemums which bloom so early, as well as a few outstanding garden newcomers. You will like them.

KOREAN HYBRIDS

Korean Mums represent the latest development in Chrysanthemums, combining sturdy growth, fine foliage, and extreme hardiness. They flower earlier than most of the standard garden types. We list below the varieties which have proved best in the vicinity of Baltimore, Maryland.



Chrysanthemum, Pink Cushion

NEW DOUBLE-FLOWERED

- Caliph**. Ox-blood-red with velvety sheen. Wonderful growing habit, very free flowering. Scarce. 35c each; \$1.00 for 3.
Symphony. Mauve-rose, overcast soft copy rose. Three-inch flowers on sturdy stems. 35c each; \$1.00 for 3.
The Moor. Port-wine-red, intense and brilliant. Wonderful in combination with King Midas. 25c each; 60c for 3.
King Midas. The peer of all the yellows! Has all the good traits—earliness, extreme freedom, and hardiness. 25c each; 60c for 3.
Ember. Coral-orange and bronze shades, more luminous than usual. Unsurpassed for arrangements. 25c each; 60c for 3.
Sequoia. Amber-beige. Good size and fully double. Very unusual and a real attraction. 25c each; 60c for 3.

NEW SINGLE KOREAN HYBRIDS

- Apollo**. Bronze-red and gold. Very showy. 20c each; 50c for 3.
Daphne. Daphne-pink, with sheen of lilac-rose. 20c each; 50c for 3.
Hebe. Silvery pink; fragrant. Very free. The best of the true pinks. Highly recommended. 20c each; 50c for 3.
Louise Schling. Glowing salmon-red. 20c each; 50c for 3.
Vulcan. Carmine-red, shading to garnet-crimson. 20c each; 50c for 3.

LARGE EXHIBITION VARIETIES

We can supply named varieties in all colors and types. Tell us your needs.

OTHER OUTSTANDING GARDEN VARIETIES

- Crimson Splendor**. Rich crimson-maroon with golden center; fully 4 inches across. 20c each; 50c for 3.
Early Bronze. Extremely early. Lively bronze-yellow Pompon. Late August. Indispensable. 20c each; 50c for 3.
Judith Anderson. Get this if you're looking for an edging or border plant that will also supply wonderful cut-flowers! Golden yellow Button type, blooms covering plant from ground up. 20c each; 50c for 3.
Louise Parker. A Department of Agriculture introduction. Creamy yellow duplex cascade. A must-have! 20c each; 50c for 3.

CUSHION CHRYSANTHEMUMS

The new Cushion Chrysanthemums with low mound-like plants bloom very early. Last year our supply was sold out early, and this year is still comparatively scarce.

- Pink Cushion**. The original everblooming Cushion Mum. 20c each; 50c for 3.
Bronze Cushion. New. Bronze form of above. 30c each; 75c for 3.
White Cushion. New. The long-awaited introduction! Does not change color with age. Stock limited. 50c each.
Red Cushion. New. Flowers slightly smaller and a bit later in blooming. Stock limited. 50c each.
Yellow Cushion. New. Simply wonderful! So new we were not going to list it this year. Order early; very scarce. 75c each.

Perennial Plants for Border and Bed

Anchusa. Blue. June, July. 3 to 5 ft.
Aster. Lavender, Pink, White. August to October. 4 to 5 ft.
Babys-Breath (*Gypsophila*). White. June, July. 2 ft.
Beard-Tongue (*Pentstemon*). Pink, Blue, Red. Summer. 2 to 3 ft. 30c each; \$3.00 per doz.
Bergamot. Many pretty shades. July. 2 to 3 ft.
Black-eyed Susan (*Thunbergia*). Yellow. July, August. 2 ft.
Bleeding-Heart. Pink. May, June. 1½ ft. 30c each; \$3.00 per doz.
Canterbury Bells. Pink, Blue or White. June. 2 ft.
Chrysanthemum hybridum. Various colors. 20c each; \$2.00 per doz.
Columbine (*A. uilegia*). Various colors. May, June. 2 ft.
Coral-Bells (*Heuchera*). Red. June to September. 1 to 1½ ft. 30c each; \$3.00 per doz.
Coreopsis. Yellow. July, August. 2½ ft.
Day-Lily (*Hemerocallis*). Yellow. May. 2 to 3 ft. 35c each; \$3.50 per doz.
Delphinium. Various colors. June to October. 3 to 4 ft.
Flax (*Linum*). Light blue. May to August. 1½ ft.
Foxglove (*Digitalis*). Yellow, White, Pink, Purple. June, July. 2 to 3 ft.
Gaillardia. Yellow and Red. May to October. 1½ ft.
Gayfeather (*Liatris*). Purple. Summer. 4 to 5 ft.
Geum. Red and Yellow. June to September. 1½ ft.
Helenium (*Sneezeweed*). Bronze or yellow. July to September. 3 to 5 ft.
Hollyhock. Double. Maroon, Pink, White, Yellow, Red. July, August. 5 to 6 ft.
Iris, German. Various colors. May, June. 2 to 3½ ft.
I., Japanese. Various colors. July. 2 ft.
Meadow-Rue (*Thalictrum*). Rosy purple or white. June, July. 2 to 3 ft.
Peony. Pink, White, Red. May to June. 2 to 3 ft. 30c each; \$3.00 per doz.
Perennial Pea (*Lathyrus*). White, Crimson-Pink. June to September. 4 to 8 ft.
Phlox. Various colors. July, August. 2 to 3 ft.
Pinks (*Dianthus*). Double and Single, Pink, White, Red. All season. 1 ft.
Poppy, Oriental. Red, Pink. May, June. 3 ft.
Sage (*Salvia*). Light or dark blue. September, October. 3 to 4 ft.
Shasta Daisy. Large; white. June, July. 2 ft.
Stokesia. White, Blue. July, August. 1½ ft.
Sweet William. Various colors. June. 2 ft.
Tritoma. Orange-red. August. 2 to 3 ft.
Veronica. Blue. June, July. 1½ ft. 30c each; \$3.00 per doz.
Yucca. Large white spikes.

ALL PERENNIAL PLANTS

25c each; 65c for 3; \$2.50 per doz., except where noted

Prices on quantities furnished on application

Nursery Stock in Quantity

Hardy Potted Roses, Bedding Plants, Rock-Garden Plants, Hardy Perennial Plants, Peonies, Iris, Hardy Decorative Flowering Shrubs, Hardy Evergreens, Azaleas, etc.

Prices furnished on application

LANDSCAPING, ETC.

Estimates given on Landscaping, Lawn-Making, Planting Flower-Beds, Tree-Trimming and Spraying

Perennial Rock-Garden Plants

Alyssum. Yellow. April, May. 1 ft.
Anemone. Various colors. April, also autumn-flowering. 1 ft.
Bugle-Flower (*Ajuga*). Blue or purple. May, June. 6 in.
Campanula carpatia. Carpathian Bell-flower. Blue or white. June to October. 8 in.
Candytuft (*Iberis*). Lavender and white. May, June. 8 to 12 in.
Coral-Bells (*Heuchera*). Red, Pink, White. April to June. 1 to 1½ ft. 30c each; \$3.00 per doz.
Cowslip (*Primula veris*). Various colors. April, May. 6 to 8 in. 30c each; \$3.00 per doz.
Daphne Cneorum. Pink. April, May. 1 to 2 ft. 8 to 10-in. plants, 75c each.
Dianthus. Rose-pink. May to October. 1 ft.
D. alpinus. Pink. May, June. 4 in. 40c each; \$4.00 per doz.
D. deltoideus albus. White. June, July. 1 ft.
Evening Primrose (*O. nothofera*). Yellow. June to September. 1 to 1½ ft.
Forget-Me-Not (*Myosotis*). Blue. May to October. 6 in.
Globe-Flower (*Trollius*). Various shades of orange and yellow. May to July. 1½ to 2 ft. 35c each; \$3.50 per doz.
Iris. Various colors. April to May. 4 to 6 in.
Lily-of-the-Valley (*Con allaria*). White. April. 8 in.
Phlox divaricata. Blue. May, June. 1 ft.
P. subulata. Moss Pink. White, Lilac, Pink, Blue. April May. 4 in.
Rock-Cress (*Arabis*). White. April, May. 8 in.
St. Johns-Wort (*Hypericum*). Golden yellow. Late summer. 1½ to 2 ft. 40c each; \$4.00 per doz.
Sedum. Yellow, Pink, White. May to August. 2 to 3 in.
Snow-in-Summer (*Cerastium tomentosum*). White. May, June. 6 in.
Sweet Lavender. July to September. 18 to 20 in.
Thrift (*Armeria*). Various colors. May, June. 1 to 1½ ft.
Thyme. Pink or red. July. 10 to 12 in.
Veronica. Blue. July, August. 1 ft.
Viola. Tufted Pansy. Blue, White, Yellow. All summer. 5 in.
Yarrow (*Achillea*). Yellow. June to August. 8 to 10 in.

Landscaping the Small Home

By Edward W. Olver

Written especially for the owner of a small home and giving him full information as to beautifying his own place—both garden and land. 160 pages, 90 illustrations. Cloth \$1.00, postpaid \$1.15.

Strawberries

EXTRA-EARLY VARIETIES:

Fairfax and Dorsett. The best in cultivation. Perfect blossoms, very productive and showy, of finest flavor and firmness.

Blackmore. Perfect flowering. **Premier.**

SECOND-EARLY VARIETIES:

Aberdeen. Perfect flowering. **Dr. Burill.**

MEDIUM-LATE VARIETIES:

Eaton **Gibson** **Big Joe**

VERY LATE VARIETIES:

William Belt **Chesapeake**
Lupton **Gandy**

Any of the above, \$1.50 per 100, postpaid \$1.75; \$6.50 per 1000 at our store or Express collect at customer's station

EVERBEARING VARIETIES:

Champion **Lucky Strike**

\$1.75 per 100, postpaid \$2.00; \$12.00 per 1000 at our store or Express collect at customer's station

Fruit Trees and Small Fruits

Not Mailable

For best results, Fruit Trees should be sprayed 3 or 4 times a season

APPLES

Baldwin	Stayman's Winesap
Delicious	Summer Rambo
Grimes Golden	Sweet Paradise
Jonathan	Wealthy
Maiden's Blush	Winesap
McIntosh	Yellow Transparent
M. B. Twig	York Imperial
	Crab

Any of the above, extra-strong, 4 to 5-ft. trees, \$1.00 each; \$10.00 per doz.

PEARS

Kieffer	Bartlett	Seckel
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Any of the above, \$1.00 each; \$10.00 per doz.

PEACHES

Alton	Elberta
Belle of Georgia	Hale
Carman	Hiley
Brackett Champion	Late Crawford
Early Crawford	Salwey

Any of the above, strong, 5 to 6-ft. trees, 50c each; \$4.50 per doz.

QUINCES

Champion	Orange
----------	--------

5 to 6 ft., \$1.25 each

PLUMS

Abundance	German Prune
Burbank	Wickson

Any of the above, 75c each; \$7.50 per doz.

CHERRIES

Bing	Lambert
Black Tartarian	Large Montmorency
Early Richmond	Napoleon
Governor Wood	

Any of the above, \$1.00 each; \$10.00 per doz.
 Local delivery and Express only—no Freight shipments. Delivery latter part of March and April.

Blackberries

Snyder (Eldorado). \$1.00 per doz., postpaid \$1.25.

Raspberries

Cumberland	Latham	St. Regis
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\$1.00 per doz., postpaid \$1.25

Currants

Red Cross	Fay's Prolific	Wilder
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25c each, postpaid 35c; doz. \$2.50, postpaid \$2.75

Gooseberries

Downing.	Green.	Houghton.	Pale red.
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35c each, postpaid 50c; doz. \$3.50, postpaid \$3.75

Grapes

Catawba (red), **Concord** (blue), **Niagara** (white). Strong, 2-yr. 25c each, postpaid 35c; doz. \$2.50, postpaid \$2.75.

Caco. The best red. 50c each, postpaid 60c; \$5.00 per doz., postpaid \$5.25.

GRAPE-PROTECTING BAGS. See page 48.

Planting Calendar

MARCH

The only vegetables to be planted outdoors in March are all early peas and onion sets. There are a number of vegetables, however, which may be started indoors or in hotbeds.

Plant Indoors	Set Out
Artichoke, Globe	June 1
Cabbage, Early	April 1
Cauliflower, Early	May 1
Celery	June 1
Eggplant	May 15
Kohlrabi	April 15
Lettuce	April 15
Parsley	May 1
Pepper	May 15
Tomato	May 1

Plant Outdoors
Peas, Early Smooth
Onion Sets

APRIL

All the seeds mentioned in the March table can be started in April, and also the following:

Plant Indoors	Set Out
Beets	May
Brussels Sprouts	June
Cabbage, Late	June
Cauliflower, Late	June

Plant Outdoors
Asparagus
Beets
Carrots
Cress
Kohlrabi
Lettuce
Mustard
Onion Seed
Onion Sets
Set out Lettuce started indoors in March.

MAY

Plant Outdoors

Asparagus	Muskmelon
Seed	Watermelon
Beans, Bush	Okra
Beans, Pole	Peas, Late
Corn, Sugar	Pumpkin
Cucumber	Squash

All the seeds mentioned in the April table may also be sown in May.

Set out early Cabbage, early Cauliflower and Tomato plants started indoors in March and April.

JUNE

Plant Outdoors

Beans, Late Bush
Beans, Late Pole
Set out Globe Artichokes, Brussels Sprouts, late Cabbage, Cauliflower, Celery, Eggplants and Peppers which have been started indoors.

Plant Swiss Chard, Sugar Corn, Lettuce, Late Peas, Radishes, Beets, and Turnips for late crops.

JULY and AUGUST

Plant Outdoors

Stringless Green-Pod Beans
Stringless Wax-Pod Beans
Rutabaga
Winter Radishes
Spinach
Turnip

SEPTEMBER and OCTOBER

Plant Outdoors

Corn Salad	Spinach
Multiplying Onion	Kale

Plant Under Glass

Lettuce	Parsley
Early Radishes	

Broccoli

Sow 1 ounce of seed to 200 feet of row

A plant much resembling cauliflower but requires a longer season to develop, has more numerous and stiffer leaves, and heads are smaller. Treat same as cabbage.

Calabrese. This is the Broccoli which is served in first-class restaurants and hotels and is becoming popular on the family table. Cooked and served like cauliflower, it has a delicious flavor and is highly praised by epicures. Pkt. 10c; oz. 25c; ¼lb. 75c; lb. \$2.75.

CULTURE. Sow seed in open ground April 1. Set plants out May 15 to June, like late cabbage. 90 days.

CALABRESE PLANTS.
See page 37.

Rapa or Italian Salad.
100 days. Pkt. 10c; oz. 15c; ¼lb. 35c; lb. \$1.25.

CULTURE. Sow about middle of August, in rows 32 inches apart, well fertilized, using 2 pounds of seed to the acre, covering the seed ½ inch. Cultivate twice before freezing weather. As soon as it gets a little warm in February, put on a top-dressing of nitrate of soda or some quick-acting fertilizer, and cultivate. About the middle of March it will commence to stalk up, with several shoots per stalk, with green blossoms. When stalks are about 8 inches high, cutting may commence. Served like asparagus or greens, it makes a delicious and wholesome dish.



Calabrese Broccoli

Artichokes

CULTURE. Sow seed in hotbed in February or March, in rows 6 inches apart. Transplant, when large enough, into boxes or pots. After danger of frosts is past, plant in the open ground, in rows 3 feet apart, 2 to 3 feet apart in row, care being taken to press firmly in the ground, but do not plant too deep.

Large Green Globe. A very delicious vegetable. Some prefer it prepared like asparagus—that is, cook the flower-head before it begins to open. Pkt. 10c; oz. 50c; ¼lb. \$1.40; lb. \$5.00.

ARTICHOKE ROOTS, Jerusalem. See page 37.

Asparagus, Seeds and Roots

Roots ready after March 1

Sow 1 ounce of seed to 40 feet of drill; 5 pounds per acre. 7,300 Asparagus Plants are needed to plant an acre

CULTURE. Sow seed as early in spring as soil can be worked, in drills 1 foot apart, and, when well started, thin out to 3 inches apart. When 1 to 2 years old, transplant into permanent beds, which should be well and deeply manured and trenched to a depth of 1½ feet. Set plants in rows 3 feet apart, not less than 1½ feet apart in the row. See that roots are well spread and set at a depth of 6 inches below level of bed. Cover only 2 or 3 inches, and fill in gradually as the plants grow. Very little, if any, should be cut the first year after transplanting, but a fair crop can be cut the second year. Every fall after the tops have been cut down, apply a dressing of coarse manure, and in the spring, fork it in. An occasional top-dressing of salt at the rate of one-half pound per square yard is also beneficial.

Mary Washington. This Asparagus, selected by the U. S. Department of Agriculture, Washington, D. C., has proved to be nearly rust-free. The shoots are thick, heavy, long, straight, rich dark green, with closely folded tips tinted darker. An early, heavy yielder. Shoots of exceptionally fine flavor. Pkt. 10c; oz. 15c; ¼lb. 25c; lb. 75c.

ASPARAGUS ROOTS, Two-Year-Old. See page 37.



Asparagus

Accessories for Asparagus Culture

Asparagus Buncher. Even where one has a limited amount of Asparagus to market, it pays to use a Buncher. The Asparagus is quickly tied and looks uniform. With knife-guard, \$3.50. Parcel Post weight, 8 pounds.

Asparagus Knife. V-shaped blade. 35c. Parcel Post weight, 1 pound.

Asparagus Salt. Apply in the spring, 600 to 800 pounds per acre. For destroying weeds. 10 lbs. 25c; 50 lbs. \$1.00; 100 lbs. \$1.50; 200 lbs. \$2.50.

Raffia. The ideal material for tying Asparagus. Hanks (about 1 lb.) 30c; 25 lbs. or more at 25c per lb.

Jute Twine. Very soft and pliable. Ball 15c, postpaid 20c. Special price in quantities on application.

Red Tape for tying Asparagus.

No. 17-677. 1000 yds. \$1.50, postpaid \$1.60.

No. 17. The best. 1000 yds. \$2.25, postpaid \$2.35.

Prices subject to change

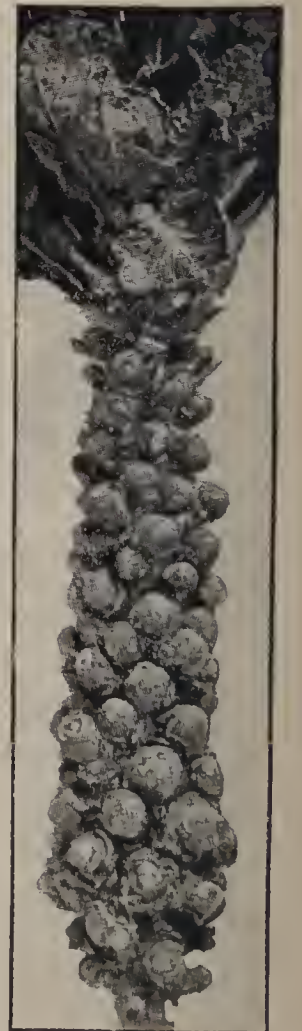
Brussels Sprouts

A species of the Cabbage family which produces miniature heads from the sides of the stalk. These heads are a great delicacy, cooked in the same way as cauliflower. Sow seed, about the middle of May, in a seed-bed, and set the plants afterwards in rows 2 feet or more apart; cultivate like cabbage. 100 days.

Improved Dwarf. Produces compact sprouts of finest quality. A good keeper. Pkt. 10c; oz. 20c; ¼lb. 60c; lb. \$2.00.

BRUSSELS SPROUTS PLANTS. See page 37.

GARDEN GUIDE. A veritable encyclopedia of gardening for the average-sized home. Covers flowers, fruits, vegetables, lawns, trees, shrubs, roses; fertilizers, pruning, propagation, transplanting, diseases, insects, etc. 576 pages, over 300 illustrations. Cloth \$2.00, postpaid \$2.15.



Brussels Sprouts

BEANS

If Beans are to be sent by Parcel Post, add 8c per pt.; 10c per qt.; 16c per 1/2pk.; 25c per pk.; 77c per bus. Packets sent postpaid.

Bush, Green-podded

Sow 1 quart of seed to 100 feet of drill;
2 bushels to an acre

CULTURE. Seed should not be planted before ground becomes light and warm, in favorable seasons usually about the middle of April to first of May. The soil should be rich and mellow, and the seeds scattered about 3 inches apart in drills, and covered about 2 inches deep. Successive sowings made at intervals of about 2 weeks until August 15, will give a plentiful supply of Beans all season. About 45 days.

Asgrow Valentine. This new introduction is typically Black Valentine. It has all the sturdy characteristics which popularized Black Valentine as a producer and shipper. Its long, practically straight, oval pods are of good color and texture and are completely stringless.

Black Valentine. Like the above, but the pods are round.

Bountiful. This variety has been known to bear 1 bushel of pods per 15-foot row in the course of the season. Pods average 6 inches long by 3/4 inch wide, are thick through, of pleasing light green color, very brittle, and absolutely stringless at all stages of development. Bountiful tastes as good as it looks.

Burpee's Stringless Green-Pod. An ideal variety having round, slightly curved, fleshy, and exceedingly tender pods. Matures a few days earlier than the Giant sort.

Dwarf Horticultural or Cherry. This broad, long, flat, meaty Bean is very productive, of delicious flavor and absolutely stringless. It also makes a good dried Bean for winter.

Early Red Valentine. One of the most popular early Snap Beans. Round, fleshy pods about 5 inches in length, very brittle, tender, and of fine quality.

Full Measure. Heavy, light green foliage. Very prolific. Pods 5 1/2 to 6 inches long, stringless, round, slightly curved, of very good quality.

M.-S. GIANT STRINGLESS GREEN-POD. Large, handsome pods of finest quality, some fully 6 inches long; very fleshy and entirely stringless. Very productive. Specially adapted to the home-garden.

New Stringless Green-Pod or Tender-green. An outstanding, green-podded Bush Bean of highest quality. Splendid for home and market use as well as for canning. Plants are large, erect, prolific, with large, dark green leaves. Fifty-one days from planting to eating stage. Pods are 5 1/2 to 6 1/2 inches long, nearly straight, round, absolutely stringless and fiberless, fleshy, smooth and very attractive. Dry seed is brownish black, mottled with light fawn.

Shell Beans for Winter Use

60 days

Red Kidney Beans. Bearing 6 to 7 in. long, flat pods, containing 5 to 6 red kidney-shaped Beans. Used almost exclusively for baking and soup.

White Marrowfat. Planted almost exclusively for winter use, making large white, kidney-shaped Beans.

White Navy or Boston Pea Beans. Yields large quantities of white Shell Beans which are used for baking.

Bush, Yellow or Wax-podded

48 days

Bountiful Wax. Handsome, long, flat yellow pods. Profuse bearer.

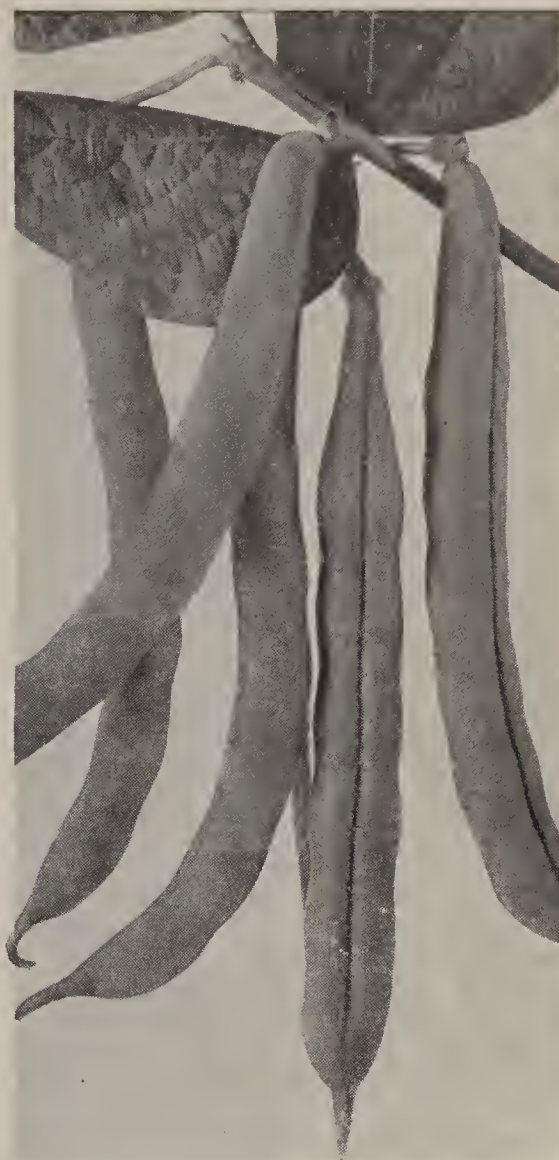
Currie's Rustproof Black Wax. Valuable for general use, being early, hardy, and a heavy yielder. Extra-long, flat pods of fine color and not apt to rust.

Improved Golden Wax. Small plants of erect growth, bearing flat, thick pods about 5 inches in length and of excellent quality. An early and reliable variety; recommended for home use.

M.-S. SURE-CROP STRINGLESS WAX. This is a grand Bean. Absolutely stringless and a great rust-resister. Will produce an abundance of long, yellow, flat pods. A profitable market variety and one of the best for the home-garden.

Round-Pod Kidney Wax. Vines 15 inches high. Pods are 5 inches long, round, slightly curved, stringless and deep yellow.

Webber Wax. Short vines. The 6-inch pods are flat, straight, stringless, deep yellow.



Giant Stringless Green-pod Beans

Pole Lima

Sow 1 quart of seed to 100 poles

CULTURE. These require poles 8 to 10 feet long. The Beans should be planted in May if the season is suitable. Set poles 4 feet apart each way, and plant 4 to 6 Beans, about 1 inch deep, around each pole. Thin out to three plants to a pole. Lima Beans for early use may be grown in pots in frames and transplanted. About 90 days.

Carpinteria. Bears an abundance of large pods filled with plump, thin-skinned, tender, fine-flavored Beans.

Dreer's Improved Challenger or Potato Lima. Beans round and thick, of delicious flavor, easy to shell. Immense cropper.

Early Leviathan. The earliest large Pole Lima. Very productive.

King of the Garden. Vigorous grower, bearing large pods, 5 to 8 inches long. Beans large and of rich flavor.

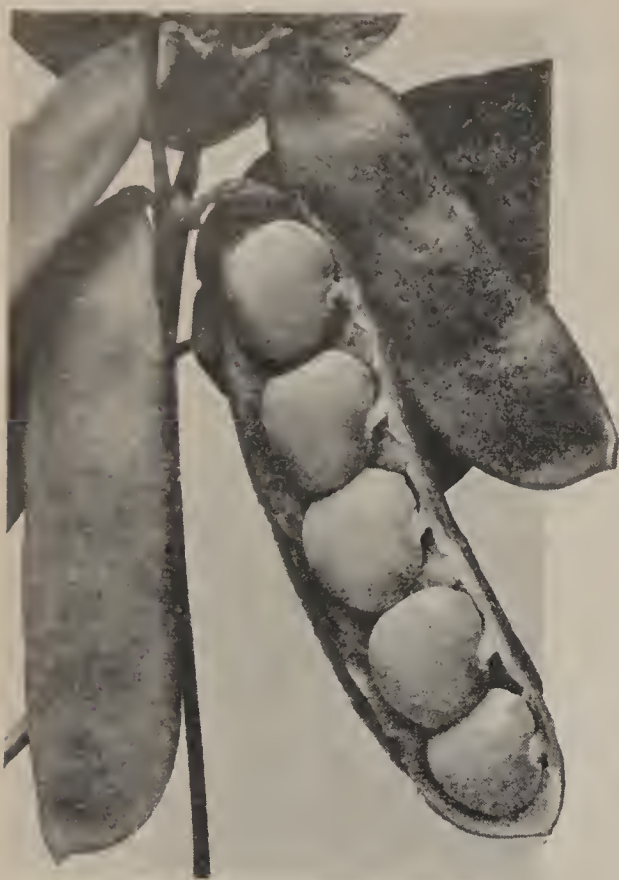
M.-S. GIANT-PODDED. The largest of all Pole Limas. Pods are from 7 to 8 1/4 inches in length with a width of 1 1/2 to nearly 2 inches. The Beans are extra large and invariably of superb flavor. Vines easily attain a height of from 10 to 12 feet. The pods are produced in clusters of from 4 to 8 until killed by frost.

Sieva or Small White Lima. Butter Bean. Early and productive, a great drought resister, smaller than regular Limas, but juicy and of fine flavor.

Vegetables Your Best Food

Our health depends a great deal on what we eat. The average American meal consists of acid-forming food and so refined that the best elements are lost and therefore detrimental. Vegetables are your best food; eat more of them.

	Pkt.	Pt.	Qt.	1/2pk.	Peck
BEANS, BUSH, Green-podded					
Burpee's Stringless Green-Pod	\$0 10	\$0 20	\$0 35	\$1 25	\$2 25
M.-S. Giant Stringless Green-Pod	10	20	35	1 25	2 00
Bountiful	10	20	35	1 25	2 00
Early Red Valentine	10	25	40	1 50	2 50
Full Measure	10	20	35	1 25	2 00
Asgrow Valentine	10	20	35	1 25	2 00
Black Valentine	10	20	35	1 25	2 00
New Stringless Green-Pod (Tendergreen)	10	20	35	1 25	2 00
Dwarf Horticultural (Cherry)	10	20	35	1 25	2 00
BEANS, SHELL					
White Navy (Boston Pea Bean)	10	20	35	1 25	2 00
White Marrowfat	10	20	35	1 25	2 00
Red Kidney Beans	10	30	50	1 75	3 00
BEANS, BUSH, Yellow or Wax-podded					
M.-S. Sure-Crop Stringless Wax	10	25	40	1 50	2 50
Bountiful Wax	10	25	40	1 50	2 50
Currie's Rustproof Black Wax	10	25	40	1 50	2 50
Improved Golden Wax	10	25	40	1 50	2 50
Webber Wax	10	25	40	1 50	2 50
Round-Pod Kidney Wax	10	25	40	1 50	2 50
BEANS, POLE LIMA					
Carpinteria	10	25	45	1 50	2 75
Early Leviathan	10	25	45	1 50	2 75
King of the Garden	10	25	45	1 50	2 75
Sieva (Small White Lima)	10	25	45	1 50	2 75
M.-S. Giant-podded	10	30	50	1 75	3 00
Dreer's Improved Challenger (Potato Lima)	10	30	50	1 75	3 00



Burpee's Bush Lima Beans

Bush Lima Beans

Sow 1 quart of seed to 100 feet of drill

CULTURE. Seed 2 inches apart or plant in rows 2 feet apart and make hills 1 foot apart in the rows. About 75 days.

Burpee's. Pods abundantly and well filled with handsome flat Beans.

Burpee's Improved. Bears an abundance of thick, kidney-shaped Beans.

Fordhook. Everybody loves these delicious thick, roundish Beans of just the right shade of green. The sturdy bushes bear the pods in clusters of 4 to 6, the pods averaging 4 large Beans each.

Henderson's Dwarf. Popular Baby Lima. Its flavor is excellent.

M.-S. ENORMOUS. The vigorous plants bear in reckless abundance really enormous pods which are filled with great big, delicious, kidney-shaped Beans. It is surprising to find that these enormous Beans are of the very highest quality.

English or Broad Windsor Beans

CULTURE. Same as Bush Limas, only plant thinner. A Bean similar to Lima Beans, but a different flavor and larger. Should be planted early (March or April), as they are very hardy.

Pole String

Green- and Wax-podded

CULTURE. Same as Pole Lima. 70 days.

Horticultural or Pole Cherry. Pods green, dashed with red when Beans are matured. Very showy.

Kentucky Wonder or Old Homestead. It grows luxuriantly and bears for a long period. Pods are very long, very fleshy and deeply creased or saddle backed, green in color and stringless. Seed light brown.

Lazy Wife or White Cherry. Pods 6 to 8 inches long, entirely stringless, of a rich, buttery flavor when cooked as a Snap Bean; also a good white Shell Bean for winter. One of the very finest flavored.

M.-S. KENTUCKY WONDER WAX.

Same as Kentucky Wonder with exception of beautiful yellow pods.

Yard-Long or Snake Beans. This is an ornamental as well as useful Pole Bean. Produces an abundance of dark green foliage and stringless green pods, often measuring from 2 to 3 feet long, which when cooked make a delicious dish. Seeds very small.

For Postage Rates, see page 1. Prices on bushel lots on request.

Cow Beets • Mangel-Wurzel

Used for feeding cattle. Sow 5 pounds per acre

CULTURE. Sow in April and May in thoroughly plowed, well-manured soil, in drills 2 inches deep and about 18 inches apart. Thin out to 12 inches. Low ground is best adapted for Mangel-Wurzel. 100 days.

Golden Tankard. Large, yellow, excellent sort.

Mammoth Long Red. Immense, long, red, very fine quality.

M.-S. GATE POST. The best long yellow Mangel in cultivation. Relished by milch cows and sheep. Matures earlier than other large sorts.

M.-S. JUMBO. This is an enormously productive variety, yielding from 50 to 70 tons to the acre, a single root often weighing 20 to 40 pounds.

BEETS, TABLE

Sow 1 ounce of seed to 60 feet of drill;
5 pounds to an acre in drills

CULTURE. Beets like rather light soil provided it is thoroughly mixed with manure. For main crop sow in the spring as soon as ground becomes fit to work, in drills 1½ feet apart and 1 inch deep. For winter use sow as late as July. Thin out to stand 5 to 6 inches apart. Store in cellars or pits, same as potatoes. Dry earth thrown over them before the straw and earth covering is put on insures their keeping over winter. Be careful not to bruise them in handling. 45 to 50 days.

Crimson Globe. A second-early variety, medium in size and of good shape. The flesh and skin are both very dark and quality fine, being sweet and tender. Tops are small and dark in color.

Crosby's Improved Egyptian. Very desirable. Thicker in body than the Egyptian, small necked and dark fleshed. Fine for early market.

Detroit Dark Red. A fine early variety with globe-shaped roots of brilliant red. Ready in 60 days.

Early Wonder. A very early dark red Beet similar to Crosby's Egyptian in shape. It is sweet and tender and a good variety for the home-garden.

Extra-Early Eclipse. Matures in an incredibly short time. Round root. Small top. Excellent table quality. An attractive market variety.

Extra-Early Flat Egyptian. Matures quickly. Bulbs half globular, or flattened at the poles; roots very slim; skin smooth; flesh quite dark. Leaves red and green.

Long Smooth Blood. Roots 10 to 15 inches long; grows partly out of ground, deep red, of good quality and suited for winter storage.

M.-S. EARLY MARVELOUS. This splendid Beet is nearly a perfect globe, about 10 inches around, with smooth skin free from rootlets; the flesh is a rich blood-red, nicely ringed, never stringy and always tender and sweet. Excellent for canning.

M.-S. PERFECTION DETROIT DARK RED. The ideal Beet for market gardeners. It is the darkest red and most uniform Beet ever introduced. Just the right size top for bunching and will run better than 99 per cent, extremely dark red in color without visible zones.

WE PAY POSTAGE ON ALL BEET SEEDS



Detroit Dark Red Beets

BEANS, BUSH LIMA					
Fordhook	Pkt. \$0 10	Pt. \$0 25	Qt. \$0 40	½pk. \$1 50	Peck \$2 50
M.-S. Enormous	10	30	50	1 75	3 00
Burpee's Improved	10	25	40	1 50	2 50
Burpee's	10	25	40	1 50	2 50
Henderson's Dwarf Lima	10	25	40	1 50	2 50
BEANS, ENGLISH or BROAD WINDSOR					
	10	30	50		
BEANS, POLE STRING					
M.-S. Kentucky Wonder Wax	10	30	50	1 50	2 75
Lazy Wife or White Cherry	10	20	35	1 25	2 00
Kentucky Wonder (Old Homestead)	10	20	35	1 25	2 00
Horticultural (Pole Cherry)	10	20	35	1 25	2 00
Yard-Long (Snake Beans)	Oz. 25c. 10				
BEETS, COW (Mangel-Wurzel)					
M.-S. Gate Post Mangel	Oz. \$0 10	¼lb. \$0 25	Lb. \$0 60	5lbs. \$2 50	
Mammoth Long Red	10	20	50	2 00	
Golden Tankard	10	20	50	2 00	
M.-S. Jumbo	10	25	60	2 50	
BEETS, TABLE					
	Pkt.	Oz.	¼lb.	Lb.	10 lbs. 25 lbs. per lb.
Detroit Dark Red	\$0 10	\$0 15	\$0 25	\$0 75	\$6 50 \$0 60
M.-S. Perfection Detroit Dark Red	10	15	25	90	
M.-S. Early Marvelous	10	15	25	90	
Early Wonder	10	15	25	75	6 50 60
Extra-Early Flat Egyptian	10	15	25	90	
Crosby's Improved Egyptian	10	15	25	75	
Extra-Early Eclipse	10	15	25	75	
Crimson Globe	10	15	25	90	
Long Smooth Blood	10	15	25	90	



Golden Acre Cabbage

Swiss Chard or Spinach Beet

Sow 1 ounce of seed to 60 feet of drill

CULTURE. Swiss Chard is a Beet grown for its leaves. The midribs when boiled make delicious "greens," or the leaves may be boiled and served as spinach. Sown in the spring, the leaves are soon ready to eat and will continue to grow all through the summer and fall. If given a little protection it will survive the winter and make excellent greens early in the spring. 35 days.

Fordhook Giant. Leaves broad, upright in growth, and very dark green, crumpled or savoyed, with broad, white midrib.

Giant Lucullus. Upright plants with curly light green leaves of mild flavor. A heavy yielder.

M.-S. DELMONICO. This makes large, handsome, finely crumpled light green leaves which are tender and have a delicious flavor; the ribs are edible and not unlike asparagus. Absolutely the best for home-gardens.

Georgia Collards

CULTURE like cabbage. The lower leaves, pulled off and used same as cabbage sprouts and kale, are delicious. If you have never eaten it, you have missed a treat. 80 days.

CABBAGE

M.-S. CHOICE
SURE-HEADING SEED

One ounce will produce about 2,500 plants; ¼ pound for transplanting an acre

CULTURE. Sow seed in January or February in hotbeds, and transplant latter part of April or early in May to open ground; or an early sowing in open ground can be made as soon as weather will permit. Set plants 1 to 1½ feet apart in the row. For second-early, sow in April and transplant in May, or sow in May and transplant in July, setting plants in rows 3 feet apart and 2 feet apart in rows. Never plant in the same ground two years in succession.

Early Pointed-Head Varieties

About 75 days

Early Jersey Wakefield. A fine oblong-shaped Cabbage. Head is solid, there being very few outside leaves.

Early York. Resembles the Early Wakefield.

Early Winnigstadt. Resembles Charleston Wakefield.

Large Charleston Wakefield. Similar to Early Jersey, but the heads are more blunt, equally as solid, while almost twice the size. Matures one week later.

Early Round and Flathead Varieties

About 90 days

Copenhagen Market. Large, globe-shaped, solid head which comes into market along with Charleston Wakefield. Our seed comes direct from the originator. Makes few loose leaves. A vigorous grower and excellent keeper.

Early Flat Dutch. A dwarf-growing type, principally used for early summer.

Marion Market. A development from Copenhagen Market but with larger, round, firm heads. Valuable as an early kraut variety.

M.-S. GOLDEN ACRE. An extra-early strain of Copenhagen Market, maturing about 10 days earlier. It will mature heads measuring 9 inches in diameter, with a uniform weight of 5 pounds, in 80 days from time of sowing. Height of stalk is 2 inches and entire plant consists of 13 leaves, allowing close planting.

New Early. The largest early Cabbage. Head roundish flat, remarkably solid.

Second-Early Varieties

About 100 days

Early Drumhead. A popular sort with market gardeners.

Succession. A large, solid, roundish flat-headed sort with few outer leaves. One of the best varieties to follow Large Charleston Wakefield.

Late or Winter Varieties

About 110 days

American Drumhead Savoy. A beautifully crumpled-leaved, deep glossy green sort. The head is almost round.

Danish Ballhead. An elegant, medium-late variety. Round and compact.

Late Flat Dutch. (Improved Strain.) This has been selected especially for our trade, and seed was taken from the finest type of heads selected for solidity and uniformity.

Red Dutch Drumhead. A red variety used extensively for its good qualities.

Yellows-Resistant Varieties

Bred and grown in Wisconsin for their wilt- and yellows-resisting qualities, these varieties will also do better under hot, dry, and unfavorable weather conditions.

Jersey Queen. The yellows-resistant Jersey Wakefield.

Marion Market. The yellows-resistant Copenhagen Market.

Wisconsin Yellows-Resistant All Seasons. A very large head, flat and solid. It is valuable for summer or winter use.

WE PAY POSTAGE ON ALL CABBAGE SEEDS

CABBAGE PLANTS. See page 37.

Corn Salad

Sow 3 ounces of seed to 100 feet of drill

CULTURE. Sow in spring, in drills 1 foot apart. It will mature in 6 to 8 weeks. For winter and early spring use, sow in drills in August and September. Large leaved. 45 days.

Cardoon

Grown for its stalks which make a delicious vegetable.



Early Jersey Wakefield Cabbage

CHARD, SWISS (Spinach Beet)	Pkt.	Oz.	¼lb.	Lb.
M.-S. Delmonico.....	\$0 10	\$0 15	\$0 35	\$1 00
Giant Lucullus.....	10	15	25	75
Fordhook Giant.....	10	15	25	75
COLLARDS, Georgia.....	10	15	25	60
CORN SALAD.....	10	15	35	1 25
CARDOON.....	10	50		
CABBAGE, EARLY POINTED-HEAD				
Early Jersey Wakefield.....	10	20	60	2 00
Large Charleston Wakefield.....	10	20	60	2 00
Early York.....	10	20	60	2 00
Early Winnigstadt.....	10	20	60	2 00
CABBAGE, EARLY ROUND AND FLATHEAD				
M.-S. Golden Acre.....	10	25	75	2 50
Copenhagen Market.....	10	20	60	2 00
Marion Market.....	10	30	75	2 50
New Early.....	10	20	60	2 00
Early Flat Dutch.....	10	20	60	2 00
CABBAGE, SECOND-EARLY				
Succession.....	10	20	60	2 00
Early Drumhead.....	10	20	60	2 00
CABBAGE, LATE OR WINTER				
American Drumhead Savoy.....	10	20	60	2 00
Red Dutch Drumhead.....	10	35	1 00	3 50
Late Flat Dutch.....	10	20	60	1 75
Danish Ballhead.....	10	20	75	2 25
CABBAGE, YELLOWS-RESISTANT				
Jersey Queen.....	10	25	90	3 00
Marion Market (Copenhagen).....	10	35	1 10	4 00
Wisconsin Yellows-resistant All Seasons.....	10	25	90	3 00

CARROT

Sow 1 ounce of seed to 100 feet of row;
2 or 3 pounds to an acre

CULTURE. Good crops may be obtained from ordinary garden soil. For early use, seed may be sown in hotbeds from January until March, and in the open ground as soon as the weather becomes warm and settled, usually in April. Sow seed 1/2 inch deep, in rows 15 inches apart, and later thin to 5 inches apart in the row. Sow from July 1 to 15 for winter crops. 65 days.

California Bunching. Tops small; roots bright orange, 8 inches long, and almost cylindrical.

Chantenay. Regular stock.

Danvers or Half-Long Orange. Owing to its enormous yield, this is one of the most profitable for main crop. It is somewhat longer than Chantenay.

M.-S. PERFECTION CHANTENAY. An exceptionally valuable variety for market gardeners. The color is appealing, rich deep solid orange throughout. Roots are 7 to 8 inches long, tapering slightly. Tops just long enough to bunch well. It is very prolific, brittle, tender, sweet and delicate in flavor.

M.-S. SOUTHERN PRIDE. An ideal medium-early stump-rooted Carrot, smooth and uniform in shape, averaging 5 inches in length, with thick, heavy shoulders, rather large tops and deep orange color, almost coreless and of fine flavor. Positively the best Carrot for home-garden or market. Advisable for truckers.

Oxheart or Guerande. A short, thick Carrot not exceeding 4 inches in length, and about the same in width which does quite well on hard, heavy soils where the longer varieties are useless.

Pride of Market Carrot. Regular stock.

Red-cored Chantenay. A little more stump-rooted than its famous parent, Chantenay. The delicately flavored flesh is deep orange-red and the core is practically the same color. Tops not too long, making it a desirable bunching Carrot.



California Bunching Carrots

CELERY

One ounce of seed will produce about 2,000 plants

CULTURE. Sow the last of March or early in April, in an open border, in rich, mellow ground, in shallow drills, watering freely in dry weather. By rolling or pressing in the seed the result will be more satisfactory than when covered. Cut the tops off once or twice before planting out, to make them stocky. When the plants are 5 to 6 inches high, transplant 6 inches apart in the rows. Blanch by earthing up. 125 days.

Easy Blanching. For early use. As self-blanching as White Plume, and simply needs a slight earthing up.

Giant Pascal. Regular stock.

Golden Detroit. A grand self-blanching variety.

Golden Heart. A showy sort. Solid, of fine flavor, and a good keeper.

Golden Plume. Has a beautiful golden color, is crisp, free from strings and has a rich nutty flavor.

Golden Self-blanching. American strain.

Golden Self-blanching, French. (True Strain.) Crisp, delicious, nutty flavor, and absence of strings make our Golden Self-blanching a real delicacy. The stalks are broad, thick and heavy, and easily blanch to a rich, appetizing golden yellow. One of the easiest Celeries to grow, for it blanches with much less earthing up than most sorts.

M.-S. MAGNIFICENT. It is well named for its many good qualities. The stalks, which blanch almost white, are exceedingly brittle. A truly good sort.

M.-S. MONARCH. A decided acquisition in green Celery, producing large stalks and magnificent bright golden yellow heart. The stalks are very solid, brittle and of most delicious flavor and entirely free from stringiness. A remarkably good keeper and presents a handsome appearance when ready for the table.

White Plume. Unsurpassed for fall and early winter use, requiring very little earthing-up to blanch it.

Winter Queen. Thick, solid, heavy stalk and a large heart. It is a close, compact grower, and when blanched is a creamy white color.

Flavoring Celery. For culinary purposes.

Celery Handler

H-1. Brass\$3 00
H-2. Tin 1 00

WE PAY POSTAGE ON ALL SEEDS ON THIS PAGE



Golden Self-blanching Celery

B. B. Improved Celery Bleacher

The ideal bleaching method, convenient, efficient, economical and satisfactory. Takes but a few seconds to apply with B. B. Handler and can be used repeatedly.

Sizes	Doz.	100	per 100
6 1/2 x 13 in.	\$0 45	\$3 50	12 lbs.
7 x 14 in.	50	4 00	13 lbs.

Celeriac

M.-S. EUREKA. This is unquestionably the largest and best Celeriac ever introduced. Very large, almost globe shaped, smooth, with only a few roots at the bottom. Flavor is excellent.

Giant Prague.

CELERY PLANTS. See page 37.

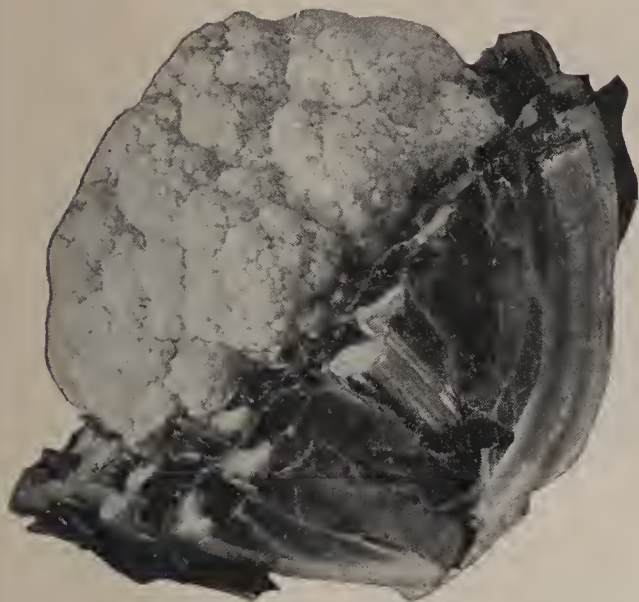
CRESS

Curled Cress or Pepper Grass. Sow in early spring in rows 2 feet apart and repeat often as it runs to seed very quickly. 40 days.

Upland Cress. The perennial variety. Stays green all year. 60 days.

Water-Cress. Sow early in spring near pond or running water; when established will last for years. 50 days.

CARROTS					
	Pkt.	Oz.	1/4lb.	Lb.	5lbs.
M.-S. Perfection Chantenay.....	\$0 10	\$0 15	\$0 25	\$0 85	\$3 75
Red-cored Chantenay.....	10	15	25	85	3 75
M.-S. Southern Pride.....	10	15	30	90	
Pride of Market Carrot.....	10	15	25	85	3 75
Chantenay.....	10	15	25	85	3 75
California Bunching.....	10	15	25	85	3 75
Danvers (Half-Long Orange Carrot).....	10	15	25	85	3 75
Scarlet Horn (French Forcing).....	10	15	35	1 00	
Oxheart (Guerande).....	10	15	25	85	3 75
CELERY					
	Pkt.	Oz.	1/4lb.	Lb.	
Golden Plume.....	\$0 10	\$0 30	\$1 00	\$3 50	
Golden Self-blanching, French.....	15	50	1 50	5 00	
Golden Self-blanching.....	10	35	90	3 00	
Golden Detroit.....	10	30	1 00	3 50	
White Plume.....	10	20	60	2 00	
M.-S. Magnificent.....	15	25	75	2 50	
M.-S. Monarch.....	15	25	75	2 50	
Giant Pascal.....	10	20	50	1 75	
Golden Heart.....	10	20	50	1 75	
Winter Queen.....	10	20	50	1 75	
Easy Blanching.....	10	20	60	2 00	
Flavoring Celery.....		10			
CELERIAC					
M.-S. Eureka.....	15	25	75	2 25	
Giant Prague.....	10	20	50	1 75	



M.-S. Early Snowball Cauliflower

CAULIFLOWER

Packets, ounces, 1/4 pounds and pounds, postpaid

One ounce of seed will produce 1,500 plants

CULTURE. Sow seed in hotbeds or window-boxes in February or March and transplant in coldframes. When hard frosts are over, plant outdoors. For second crop, sow in April and set out in May. For late crop, sow in June and set out in July. Plants should be set 2 feet apart in the row. About 90 days.

Dry Weather or Danish Giant. The great drought-resisting variety. The heads are large, snow-white and protected with a liberal growth of foliage. The ideal variety to plant for summer use.

M.-S. EARLY SNOWBALL. Extremely early dwarf variety, producing magnificent white heads of fine quality. Well adapted to hotbed culture.

CAULIFLOWER PLANTS. See page 37.

CHINESE CABBAGE

Pe-Tsai (Improved Chinese Cabbage). Grow like a late Cabbage, planting in July, as early plantings run quickly to seed. The seed is sown in drills 16 to 20 inches apart and the seedlings thinned two or three times. The full-grown plant somewhat resembles a cos lettuce in appearance. It has a mild flavor and may be eaten raw or as a salad, or cooked. Boiled, minced and seasoned with butter, it is especially delectable. 70 days.

SWEET or SUGAR CORN

One quart of seed will plant 200 hills; 8 quarts in hills to acre

Sugar Corn varies in weight according to variety. We have decided to list 44 pounds as a bushel, except Adams, Trucker's Favorite, and Red Cob 90-Day, which weighs 56 pounds to bushel.

CULTURE. The Sweet or Sugar varieties, being liable to rot in cold or wet ground, should not be planted before May, or until the ground has become warm. For a succession, continue planting every two weeks, until the middle of July, in rich, well-manured ground, in hills, covering about 1/2 inch and thin out to 3 plants to a hill. Extra-early varieties can be planted 1 1/2 feet apart in the row. The field varieties should be planted 4 feet apart each way, leaving 3 plants to a hill. From 65 to 90 days.

NOTICE

For the convenience of our customers, we have marked 5 of the best varieties, as they mature in succession. No. 1 is the earliest and No. 5 the latest.

No. 1. Golden Bantam. An extremely early true Sugar Corn. The grain when ripe is a bright golden yellow; flavor is exceptionally rich and sugary. Produces from 2 to 3 good ears to the stalk.

No. 2. Whipple's Early White. Matures in 65 days. Large ears with wedge-shaped grains of pearly whiteness and high sugar content.

No. 3. M.-S. SNOW-WHITE EVERGREEN. The large, uniform ears are well filled to the top with beautiful white kernels. Splendid sort for market and home garden, being 10 to 12 days earlier than Stowell's Evergreen. Keeps well after being cut.

No. 4. Country Gentleman or Shoe-Peg. A short-stalked, productive sort. Ears large for so small a stalk; grain narrow, very deep, of excellent quality.

No. 5. Stowell's Evergreen. The ears are large and well filled, and it remains in the green state for a long time. Grains are deep and sugary.

Black Mexican. An old favorite. Very tender and sweet.

Early Adams. Similar to Extra-Early Adams, larger, but not so early.

Extra-Early Adams. Stalks 3 to 4 feet high with ears set within 6 inches of ground. Not a Sugar Corn but a decided acquisition so early in the season.

Golden Cross Bantam. A cross of two inbred Bantams. It is 4 to 8 days later than Golden Bantam. Has 8-inch ears with 10 to 14 rows of delicious golden yellow kernels. The sturdy stalks grow 6 to 6 1/2 feet high and are resistant to Stewart's wilt disease. The yield is about twice that of regular strains of Golden Bantam. Matures in 88 days.

Golden Giant. This is a cross between Golden Bantam and Howling Mob, combining the delicious buttery flavor of its yellow parent with the size and quality of its white parent. Stalks 4 1/2 to 6 feet, producing two or three ears 7 to 9 inches long with 12 to 16 rows of deep orange kernels.

Howling Mob. An early Sugar Corn with fine, large ears. Excellent for truckers or the home gardener.

Stowell's Hybrid. There are many useless hybrids on the market. We have tested the various Stowell's types, and observed them in all parts of the country. In our opinion only one is outstanding. We now offer this to our customers. It will increase your yields and uniformity of your crop. Give this a trial. Matures in 90 days.

The Vanguard. Large-eared white Sweet Corn of excellent table quality. Matures in 65 to 70 days.

Trucker's Favorite. A late variety of Adams type. Suitable for table or stock. Ears very large, handsome, 14- to 16-rowed.

Prices on bus. lots of Sugar Corn on request

CHERVIL

Sow like above; used as a salad seasoner.

POSTAGE ON SUGAR CORN EXTRA



Golden Cross Bantam Corn

CAULIFLOWER		Pkt.	Oz.	1/4lb.	Lb.	
M.-S. Early Snowball	10c, 25c, and	\$0 50	\$1 25	\$4 50	\$17 50	
Dry Weather (Danish Giant)	10c, 25c, and	50	1 25	4 50	17 50	
CABBAGE, CHINESE						
Pe-Tsai		10	20	50	1 50	
CHERVIL		10	25			
CRESS						
Water-Cress		10	30	90	3 00	
Curled Cress (Pepper Grass)		10	15	30		
Upland Cress		10	15	50	1 50	
CORN, SUGAR or SWEET		Pkt.	Pt.	Qt.	1/2pk.	Peck
		All bus. prices on request				
No. 1—Golden Bantam	\$0 10	\$0 20	\$0 35	\$1 00	\$1 75	
No. 2—Whipple's Early White	10	20	35	1 00	1 75	
No. 3—M.-S. Snow-White Evergreen	10	20	35	1 00	1 75	
No. 4—Country Gentleman (Shoe-Peg)	10	20	35	1 00	1 75	
No. 5—Stowell's Evergreen	10	20	35	1 00	1 75	
Stowell's Hybrid—90 Days	10	30	50	1 75	3 00	
The Vanguard	10	25	40	1 25	2 00	
Golden Cross Bantam	1/2pt. 25c.	10	50	90	2 25	4 00
Golden Giant		10	25	40	1 00	1 75
Black Mexican		10	30	50		
Howling Mob		10	20	35	1 00	1 75
Extra-Early Adams		10	15	25	75	1 25
Early Adams		10	15	25	75	1 25
Trucker's Favorite		10	15	25	75	1 25



A & C, 60 Days Cucumber

FIELD CORN

Boone County White.
Collier's Excelsior. White.
Collier's Success. Yellow.
Eureka White Ensilage.
Golden Beauty.
Lancaster County Sure-Crop. Yellow.
Maryland Yellow Dent.
Yellow Leaming.

Prices on all these varieties,
qt. 25c; pk. 75c; bus. \$2.50

HYBRID FIELD CORNS. White and Yellow Dent. Qt. 35c; pk. \$2.00; bus. \$7.50.

Red Cob 90-Day. A valuable Corn for the truck farmer as it readily sells for Sugar Corn on account of its similarity, showing long blades on ears. Delicious when young. Prices subject to change without notice.

POP-CORN

There is hardly a home in the country where popping Corn is not a winter pastime. Not all Pop-Corn is the right kind for popping. What we offer can be relied upon for planting or popping.

South American Yellow Giant. Makes large, white, beautiful puffs.
White Rice.

Prices on larger quantities on request

All-Wire Corn Popper. 25c, postpaid 35c.
All-Steel Wire Cover. Capacity 2½ qts. 50c, postpaid 60c.

CUCUMBER

One ounce of seed will plant 50 hills;
2 pounds, an acre

CULTURE. For very early Cucumbers, sow the first of April in a hotbed, upon pieces of sod or in small pots, so that they can be readily transplanted to the open ground (in rich soil) when danger of frost is over. For general crop, plant, if the weather has become settled and warm, in hills about 4 feet apart each way; thin out to 4 of the strongest plants to each hill. They succeed best in a warm, moist, rich, loamy soil. For succession sow until the middle of August. About 60 days.

A & C, 60 Days. A new introduction. Vines healthy, robust and resistant to disease, producing white-spined Cucumbers about 10 inches long. Has met with universal satisfaction where planted.

Boston Pickle. Productive and "green" better than any other to "hold color."

Clark's Special. This main-crop variety holds its color and firmness in distance shipping. Its quality is excellent. Attractive deep green in color, uniform in length (8 to 10 inches), very smooth.

Early Fortune. A great favorite with our Anne Arundel County farmers for its early maturity, productiveness, uniformity in large size, and dark green color.

English Forcing Telegraph. These are ideal for growing under glass. They produce enormous fruits, generally 1½ to 2 feet long and 3 inches in diameter.

All Cucumbers sent postpaid

The Colorado. An All-America Winner in 1935. This long, slender, dark green Cucumber commands a premium price. A vigorous productive variety of unusual stamina. The finest slicing Cucumber.
Improved Long Green. Long and crisp. A popular and reliable variety for pickles. 75 days.

Japanese Climbing. Distinct from other varieties, being a real climber. Very prolific of fruit. An interesting novelty.

Jersey Pickle. Like Boston Pickle.

Longfellow. An excellent long, slender, white-seeded, dark green variety equally desirable for greenhouse forcing or outdoor culture. Fruits 12 to 14 inches long by 2½ inches in diameter.

MEYER'S GREEN PACK. Attractive dark green Cucumbers of symmetrical form, 10 to 11 inches long, and of the highest quality. They mature early and are excellent shippers, retaining their crisp quality longer than most varieties.

M.-S. COOL AND CRISP. Ideal for home and market gardening. Extra early and very prolific. Long, straight, slender, and very dark green. For pickling or slicing.

New Klondike. One of the best for shippers. Grows vigorous vines, fruits early and abundantly. Large, dark green fruits of fine flavor.

Small Gherkin or Burr. Used only for pickling while young and tender.

CHICORY

Large-rooted. The roots are dried and ground and used for flavoring or to mix with coffee. It can also be served like salsify. 100 days.

Witloof. French Endive. Every garden should have a row of this, and we feel sure that every amateur or experienced gardener will be pleased with the results. It is eaten raw or as a salad, and is also sometimes cooked like endive. 110 days.



The Colorado Cucumber

CORN, FIELD

	Postage on Corn extra	Qt.	Peck
Eureka White Ensilage.....		\$0 25	\$0 75
Boone County White.....		25	75
Collier's Excelsior.....		25	75
Lancaster County Sure-Crop.....		25	75
Collier's Success.....		25	75
Yellow Leaming.....		25	75
Golden Beauty.....		25	75
Maryland Yellow Dent.....		25	75
Red Cob 90-Day Corn.....	½pk. 75c..	25	1 25

POP-CORN

	Lb.	Postpaid
White Rice.....	\$0 10	\$0 15
South American Yellow Giant.....	10	15

CUCUMBER

	Pkt.	Oz.	¼lb.	Lb.
The Colorado.....	\$0 10	\$0 20	\$0 60	\$2 00
Meyer's Green Pack.....	15	25	75	2 50
A & C 60 Days.....	10	20	60	2 00
Clark's Special.....	10	15	35	1 00
Early Fortune.....	10	15	30	90
New Klondike.....	10	15	30	90
M.-S. Cool and Crisp.....	15	20	40	1 25
Improved Long Green.....	10	15	35	1 00
Longfellow.....	10	15	40	1 25
Boston Pickle.....	10	15	30	90
Jersey Pickle.....	10	15	30	90
Japanese Climbing.....	15	25	60	
Small Gherkin (Burr).....	10	25		
English Forcing Telegraph. Pkt. of 12 seeds 25c; 100 seeds \$1.25.				

CHICORY

	Pkt.	Oz.	¼lb.	Lb.
Witloof Chicory (French Endive).....	\$0 10	\$0 20	\$0 45	\$1 50
Large-rooted Chicory.....	10	20	45	1 50



Peppermint



Lavender



Fennel



Sage



Summer Savory

EGGPLANT

One ounce will produce about 1000 plants

CULTURE. Eggplant seed will not vegetate freely without a strong, uniform heat, and if the plants get the least chilled in the earlier stages of growth they seldom recover. Therefore, repeated sowings are sometimes necessary. 120 days.

Black Beauty. The earliest large variety. Fruits rich, dark purple.

M.-S. EBONY KING. As indicated by its name, the large, perfectly formed fruit is almost black, and of top quality. The plants are thornless, great drought-resisters, and splendid bearers.

New York Improved Purple. Large smooth, deep purple fruits free of thorns; flesh white, of excellent quality. Very productive.

EGGPLANT PLANTS. See page 37.

ENDIVE

CULTURE. Sow in June, July, and August, covering lightly; thin out to 8 inches apart, and water well afterward. When the leaves are 6 to 8 inches long, blanch by gathering in the hand and tying together near the top with yarn or raffia. This must be done when quite dry or they will rot. At the approach of winter, take up carefully with a ball of earth to each plant and place close together in frame or cellar for use. They must be kept dry and have plenty of air. 85 days.

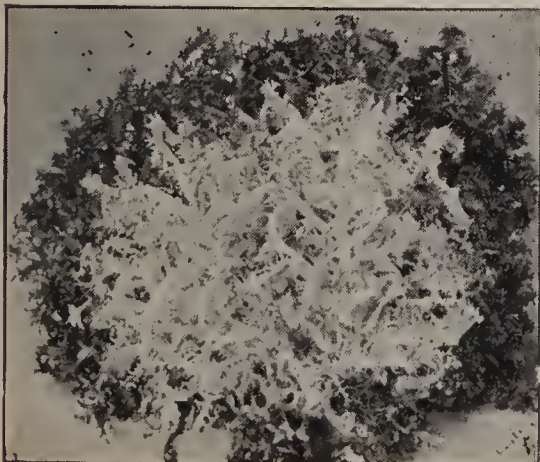
Broad-leaved Batavian. Escarolle. This variety is chiefly used in soups and stews. It requires to be tied up for blanching.

Green Curled. Tender and crisp.

White Curled. Self-blanching. Very tender when young.

ITALIAN ROCKET • Rucola

Greatly relished in salads and quite tasty in soups. The dark green leaves greatly resemble sorrel. Slightly pungent, but flavor is distinct and appetizing.



White Curled Endive

HERBS

CULTURE. Herbs delight in a rich, mellow soil. Sow seed early in spring in shallow drills, 1 foot apart; when up a few inches, thin out to proper distances, or transplant. They should be cut on a dry day just before they come into full blossom, tied in bunches and hung up or spread thinly where they can dry quickly.

Anise.

Balm.

Borage.

Caraway Seeds. Used to flavor bread.

Catnip.

Coriander.

Dill. The seeds are used as a condiment and for pickling.

Fennel, Sweet.

Horehound. For medicinal purposes and flavoring.

Lavender. For flavoring and perfumery.

Martynia. The young seed-pods make excellent pickle.

Peppermint.

Rosemary. Leaves used for seasoning.

Rue.

Sage. For seasoning and dressing.

Saffron. For medicinal and coloring purposes.

Spearmint. For flavoring.

Summer Savory. Used for flavoring.

Sweet Basil. For flavoring soups.

Sweet Marjoram. Leaves and ends of shoots used for seasoning.

Tansy. The young leaves are used for seasoning.

Thyme (Broadleaf). For seasoning, also for making tea for nervous headache.

Wormwood.

Woodruff (*Asperula odorata*: Waldmeister). A delightful, fragrant little herb which is used in the well-known German drink "Maitrank."

FINOCCHIO • Fennel

A delicious vegetable which is extensively used in Italy as a salad, but is particularly palatable when served boiled, with a cream dressing. When the enlargement of leaf stalk, at base of stem, is about the size of a hen's egg it should be earthed up so as to cover half of it, and in about 10 days cutting for use may be commenced and continued as the plants increase in growth. The flavor is somewhat like Celery, but it has a sweeter taste and delicate odor. 60 days.

ALL SEEDS ON THIS PAGE POSTPAID

EGGPLANT

	Pkt.	1/2oz.	Oz.	1/4lb.	Lb.
M.-S. Ebony King.....	\$0 15	\$0 25	\$0 50	\$1 50	\$5 00
New York Improved Purple.....	10	20	30	1 00	3 50
Black Beauty.....	10	20	30	1 00	3 50

ENDIVE

	Pkt.			
Green Curled.....	\$0 10	15	30	1 00
White Curled.....	10	15	30	1 00
Broad-leaved Batavian.....	10	15	30	1 00

HERBS

Anise.....	10			
Balm.....	10			
Catnip.....	10			
Peppermint.....	10			
Spearmint.....	10			
Borage.....	10			
Caraway Seeds.....	10	25		
Coriander.....	10			
Dill.....	10	15	30	75
Fennel, Sweet.....	10	25		
Tansy.....	1/2oz. 30c.	10		
Horehound.....	10			
Lavender.....	10			
Martynia.....	15			
Rosemary.....	10			
Rue.....	10			
Sage.....	10	40	1 25	
Summer Savory.....	10	25		
Sweet Basil.....	10	25		
Sweet Marjoram.....	10	25	75	
Saffron.....	10			
Thyme (Broadleaf).....	10	50	1 75	
Wormwood.....	10			
Woodruff (Waldmeister).....	25			

FINOCCHIO (Fennel).....	10	20	35	1 25
ITALIAN ROCKET (Rucola).....	10	20	60	

KALE

Dwarf German.

New Imperial Extra-curved, Long-standing. The leaves are very crimp and a dark green.

Spring. A hardy, quick-growing, smooth-leaved variety. Sow at intervals of 10 days, so as always to have it young and tender. 30 days.

BORECOLE

Scotch Kale

Sow 1 ounce of seed to about 100 feet of drill;
2 to 3 pounds to the acre

CULTURE. Sow from May to June, and cultivate same as cabbage. For early spring use, sow in September and protect during winter. The Kales are more hardy than cabbage, and make excellent "greens" for spring and winter use, being improved by frost. About 60 days.

Dwarf Blue Scotch, Extra Curled. This Kale is of a dark bluish green color, which it retains without yellowing, even after several days of transportation, thus commanding a higher price when put on the market. It attains a large size and produces a great mass of foliage. In addition it is very hardy and passes the severest winter without being harmed.

Dwarf Green Curled Scotch or Norfolk. One of the most popular shipping sorts. Very largely used in Norfolk trucking district.

Hardy Winter. Grows 1½ feet high with an abundance of beautiful light green leaves which are densely curled and crimped. Besides being very hardy it possesses the advantage of all other varieties in forcing a second crop of moss-curved leaves as soon as the first ones are gone. This new growth is of the finest quality and is ready for market during the winter and early spring months, when it demands fancy prices.

M.-S. EMERALD ISLE. This entirely distinct strain is the handsomest Kale that has ever come under our notice. The closely curled, handsome leaves are most attractive to look at, but that is not all—it is of the finest quality and the flavor is delicious. The plants are of medium height and very hardy.

Tall Scotch. Best for summer. Very spreading, nicely curled and hardy; frost improves it.

BORECOLE PLANTS. See page 37.

ALL SEEDS ON THIS PAGE POSTPAID



Dwarf Green Curled Scotch Kale

KOHLRABI

Sow 1 ounce to 150 feet of drill

A favorite vegetable in Europe where it is extensively grown for table use. The bulb is formed above the ground, and, if used when young and tender, makes a most delicate dish. 50 days.

Earliest Purple Vienna. Same as Early White Vienna, except in the outside color.

Short-leaved Early White Vienna. The best for either forcing or crop.

White Vienna. Greenish white outside with clear white flesh within.

LETTUCE

M.-S. CHOICE STRAINS

Sow 2 ounces of seed to 100 yards of row,
1 ounce for 2,000 plants

CULTURE. Lettuce is now sown during almost all seasons of the year. For outdoor use seed can be sown in well-manured hotbeds in February and March. Transplant there or outdoors when the weather will permit—10 inches apart in the row. If the Lettuce is not to head, sow thickly and cut as desired. For best results it is well to sow only the varieties suited to the different seasons and conditions. For winter use, sow seed in September in hotbeds and follow it with other sowings for succession. 50 days.

All-Seasons. A heading variety. Thick leaves; large solid, yellow heads. Succeeds well at all seasons.

Big Boston. Old favorite.

Iceberg. The earliest and largest header of its class; crisp and tender.

California Cream Butter. A good summer sort of reliable heading quality. Yellowish green, slightly marked with brown specks.

Early Curled Simpson. Early fine, large, loose heads, finely fringed and curled.

Grand Rapids. Excellent for forcing. Large, loose, yellowish green head of fine quality. Stands well.

M.-S. BELVEDERE. This sort is extremely slow in running to seed, making it the ideal Lettuce to plant in the spring, as it withstands the summer heat better than any variety we have known so far. It is all green, no red edges, is tender and crisp, and has a fine yellow heart.



New York Lettuce

No. 12 New York or Wonderful. Also called Iceberg and Los Angeles. This very large-heading Lettuce is desirable not only as a garden variety for summer use, but is much used as a fall and winter market sort. The plant is very large but compact and tight-heading; outer leaves attractive deep green, broad, frilled at edges; inner leaves form a large head, very sweet and tender when in condition for use.

Romaine, Dark Green (Dark Green Cos). Has long, narrow, upright leaves; does not head, but when tied up blanches very nicely.

Romaine, White Paris (White Paris Cos). Like above, but for its color.

Unrivalled. Another old stand-by.

White Boston Special. A new, very high-class strain of the pale, green-leaved Big Boston type without the red-tinged leaf-edge. An entirely dependable sort for growing in coldframes and for first field-planting in the early spring. Many fields gave a 90 per cent first cutting for early market at top prices. The heads show comparative freedom from tip-burn.

Chicken Lettuce. This is a non-heading Lettuce, quite different from those used for human food. The plants grow 4 feet tall before they run to seed. It is ready for cutting in 45 days after sowing. Planted extensively for feeding poultry and rabbits. Yields more food for this purpose than any other plant you can grow. After cutting, the stumps will start again to make a new growth and within a short time you will be able to harvest another crop of tender nutritious leaves for feeding.

BORECOLE or SCOTCH KALE

	Pkt.	Oz.	¼lb.	Lb.
Hardy Winter.....	\$0 10	\$0 15	\$0 40	\$1 25
M.-S. Emerald Isle.....	15	15	30	1 00
Dwarf Green Curled Scotch or Norfolk.....	10	15	25	75
Dwarf Blue Scotch, Extra Curled.....	10	15	25	75
Tall Scotch.....	10	15	30	1 00
KALE, Dwarf German.....	10	15	25	60
New Imperial Extra-curved, Long-standing.....	10	15	25	60
Spring.....	10		15	30

KOHLRABI

White Vienna.....	10	20	50	1 50
Short-leaved Early White Vienna.....	10	20	50	1 50
Earliest Purple Vienna.....	10	20	60	1 75

LETTUCE

No. 12 New York (Wonderful).....	10	20	50	1 50
Big Boston.....	10	15	40	1 25
Iceberg.....	10	15	40	1 25
Unrivalled.....	10	15	40	1 25
Romaine (White Paris Cos).....	10	15	40	1 25
Romaine (Dark Green Cos).....	10	15	40	1 25
Grand Rapids.....	10	15	40	1 25
California Cream Butter.....	10	15	40	1 25
All-Seasons.....	10	15	40	1 25
M.-S. Belvedere.....	15	25	60	2 00
White Boston Special.....	10	20	50	1 50
Early Curled Simpson.....	10	15	40	1 25
Chicken Lettuce.....	10	15	40	1 25

LEEK

Sow 1 ounce to 150 feet of row

CULTURE. Sow seed and care for the young plants same as for onions, but they need a little more room to develop fully. When the young plants are about the size of a goose-quill, transplant into a prepared bed, 4 to 5 inches apart in the rows. Set the roots deep and draw the earth to them when cultivating, so that they may be well blanched by the time they are fit for use. 85 days.

Elephant. One of the hardiest, largest and best for winter use.

Giant Carentan. Produces a large, thick stem and is of mild flavor.

MUSHROOM SPAWN

PURE-CULTURE (Spore Process)

The best procurable. Makes cream-colored Mushrooms. One brick will spawn 10 square feet. Brick 25c, postpaid 32c; 5 bricks \$1.00, postpaid \$1.15; 25 bricks \$4.50, postpaid \$4.85; 50 bricks \$8.50, postpaid \$9.10; full case, 100 bricks, \$16.00. Express or Freight.

Pure Spore Culture Spawn. In bottles. One carton equals 5 bricks. Carton \$1.00; 12 for \$10.75; 25 for \$21.25; 60 for \$48.00.

Cultivation of the Mushroom

Gives full instructions how to grow this delectable vegetable. Price \$1.00, postpaid.

Mushroom or Hotbed Thermometers

Wood frame. Heavy brass point. Parcel Post weight, 2 pounds. \$3.00 each.

MUSTARD

Sow 1 ounce of seed to 100 feet of drill

CULTURE. A pungent salad plant, used like cress; the white seed is also used for flavoring pickles, pepper sauce, etc. For salads, sow thickly in shallow drills 6 inches apart. As plants go to seed quickly, sowings should be made every week or two. To grow white seed, sow in April, in rows 1 foot apart, and thin out to 3 inches apart when 2 inches high. 35 days.

Fordhook Fancy. Dark green leaves, more curled on the edges than any other sort.

Southern Giant Curled. Large, light green leaves, frilled at edges.

White English. Used mostly for the white seeds.



Yellow Globe Danvers Onion

OKRA or GUMBO

Sow 4 ounces of seed to 40 feet of drill

CULTURE. Sow the seed thickly in rich ground about the middle of May, or, when the ground has become warm, in drills 1 inch deep; thin to 10 inches apart in drills. Grown for its green pods, which are used in soups, stews, etc., to which they impart a rich flavor, and are considered nutritious. 60 days.

Improved Dwarf Green Prolific. Of dwarf growth but immensely productive and very early. Short, thick, green pods.

Perkins' Mammoth-podded. Pods are of unusual length (8 to 9 inches) and an intense green color. Very superior for canning.

White Velvet or Lady Finger. Bears round, white, smooth pods unlike other varieties which are ridged or square edged.

ONION SETS

1 quart will plant a row about 50 feet long; 10 to 15 bushels, an acre

Used for an early crop of Onions, and should be planted just as soon as the ground can be worked. Press the bulb lightly in the ground (do not cover) in rows 1 foot apart, 2 inches apart in the row, so that all the development goes in the Onion. On signs of their going to seed, bend the top over but do not break it off. Shipped on local orders about March 1, unless otherwise requested.

For Parcel Post, add 8c per pt.; 10c per qt.; 13c per ½pk.; 18c per pk.; 44c per bus.

Japanese or Ebenezer. This variety is globe-shaped, about the color of a Yellow Danvers, is very solid and has a mild flavor. It will keep longer than any other variety.

Large Red Wethersfield.

White Silverskin.

Yellow Danvers.

Multiplier Onion Sets. Yellow and White; and **Egyptian Top Onion**, brown—furnished in September and October. Market price.

Prices on Onion Sets subject to change.

Prices on larger quantities furnished on request

WE PAY POSTAGE ON ALL SEEDS ON THIS PAGE

ONIONS

American-grown Seeds

Sow 1 ounce of seed to 100 feet of drill; 6 pounds to an acre

CULTURE. For sets, sow the seed as early as possible in the spring, very thickly in drills. As soon as the tops dry off in the summer, remove them to a dry, airy place, and early in the following spring replant by placing the sets in shallow drills 1 foot apart and about 4 inches apart in the drills. The Onions obtained by this process are of large size early in the season; also can be grown to full size during the first season by sowing thinly in drills 1 foot apart and about ¼ inch deep in March or in early April, in strong land, well manured, and thinning them out to stand 3 to 4 inches apart in the drills. About 100 days.

Australian Brown. A brown-skinned Onion which grows to a good size the first season.

Large Red Wethersfield. Grows to full size the first season from seed. Almost round, large, deep red, and keeps well.

Prizetaker. Flesh white, of mild and delicate flavor. Large Onions are raised the first year from seed, and with ordinary culture produce enormous crops. The Onions sometimes go over 3 pounds under good culture and the white flesh is of mild and delicate flavor.

Southport White Globe. Perfects a very handsome product within 90 days from sowing seed. The bulbs are pure white, of a very mild flavor, and splendid keepers. The flesh is remarkably firm and solid. It is an enormous yielder and as it is very attractive, always sells at high prices.

White Bermuda. They are of a mild and delicate flavor, and keep a long time. Will produce full-grown Onions from seed the same season.

White Silverskin. Ripens early; large, mild in flavor, and excellent for winter use. Much esteemed for pickling when small.

Yellow Globe Danvers. One of the most extensively used yellow Onions.

ONION PLANTS. See page 37.

Chives (Schnittlauch)

Very mild onion flavor. Used with cottage cheese and on egg omelets.

	Pkt.	Oz.	¼lb.	Lb.
LEEK				
Giant Carentan.....	\$0 10	\$0 20	\$0 60	\$2 00
Elephant.....	10	20	70	2 50
MUSTARD				
Southern Giant Curled.....	10	15	20	50
Fordhook Fancy.....	10	15	20	50
White English.....	10	15	20	40
OKRA (Gumbo)				
White Velvet (Lady Finger).....	10	15	20	50
Improved Dwarf Green Prolific.....	10	15	20	50
Perkins' Mammoth-podded.....	10	15	20	50
ONIONS				
Prizetaker.....	10	20	50	1 75
Large Red Wethersfield.....	10	20	50	1 75
Australian Brown.....	10	20	50	1 75
White Silverskin.....	10	20	50	1 75
Southport White Globe.....	10	25	90	3 00
White Bermuda.....	10	50		
Yellow Globe Danvers.....	10	20	50	1 75
CHIVES (Schnittlauch)	10	50		
ONION SETS				
	Qt. Peck Bus.			
	Prices subject to change			
Yellow Danvers.....	\$0 10	\$0 75	\$2 00	
Japanese (Ebenezer).....	10	75	2 00	
Large Red Wethersfield.....	10	75	2 50	
White Silverskin.....	10	75	2 25	
Multiplier and Egyptian Top.....		Market price		

MUSKMELONS or CANTALOUPE

Sow 1 ounce of seed to about 50 hills; 2 to 3 pounds in hills to an acre

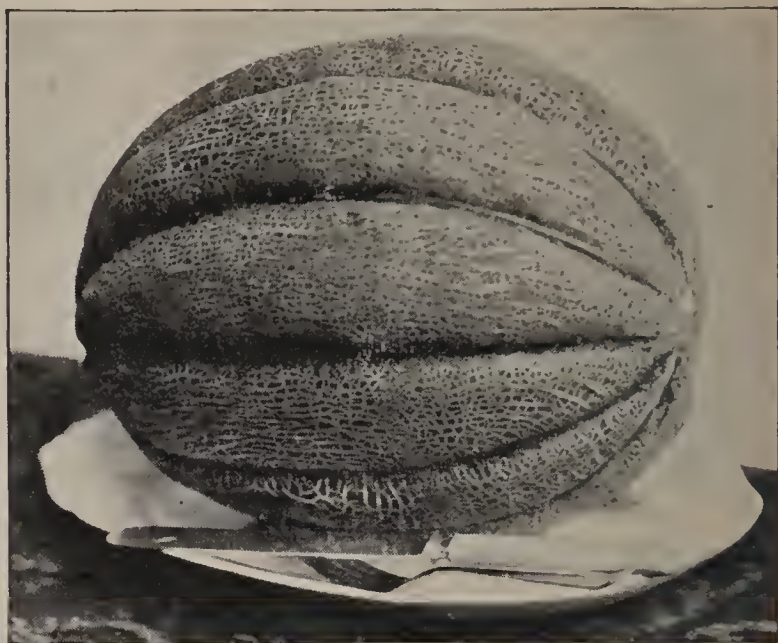
CULTURE. Melons do best in a light or sandy soil, but with a little labor in preparing hills they can be grown in almost any warm, sunny location. Make hills 5 feet apart each way, putting two or three shovelfuls of well-rotted manure in each hill; pack it down tight, cover it with 3 inches of fine, loose soil, making hills 1 foot in diameter. When the weather is quite warm, scatter 10 to 15 seeds thinly over the surface of the freshly made hills and cover with ½ inch of fine soil. When the young plants are well established, thin out to the best three plants. For early use, sow in hotbed, on piece of sod or in pots. From 65 to 100 days.

Green-Fleshed Varieties

- Baltimore Nutmeg.** Large, oval, deeply netted; solid green flesh of fine quality.
- Bottomly.** True Anne Arundel strain. Medium size, oblong, deeply netted; green flesh and delicious flavor.
- Knight.** Regular stock.
- Long John.** A product of Anne Arundel County. It averages 8 to 10 inches in diameter, is deeply netted and ribbed; flesh green, thick, and deliciously flavored.
- New Honeydew.** A melon with smooth, almost white rind, measuring about 6 inches in diameter by 7 to 8 inches long. Thick green flesh of a peculiar sweet flavor, resembling a well-ripened banana.
- Rocky Ford.** Early. Small, oval; green flesh of excellent quality. A good shipper.

Salmon-Fleshed Varieties

- Banana.** The flesh (the melon is nearly solid) is of a rich salmon and is fragrant. The quality is first rate *when the melon is thoroughly ripe*. It grows from 20 to 28 inches in length and is very prolific.
- No. 36. Hale's Best.** Very early. An oval melon with heavy netting and ribs hardly apparent. Flesh exceptionally thick, firm, of fine, sweet flavor, deep salmon, with very small seed-cavity. It is ready for market in about 70 days.
- Hearts of Gold.** A fair-sized melon, with distinct ribs and quite heavily netted. The rich, golden flesh has a most excellent flavor and is very deep, having only a small seed-cavity. As a shipper the high quality is retained perfectly after traveling long distances.
- Honeydew.** Pink-fleshed, same as the green one, with the exception that the flesh is of a beautiful pink tint and highly flavored.
- Miller's Cream or Osage.** Melons large, round, with light green, netted skin and thick, sweet, salmon-colored flesh.
- M.-S. GOLDEN WONDER.** Most delicious flavored golden yellow meat, which is thick and solid. Medium size, oval. Very vigorous and productive vines, which are great drought- and blight-resisters.



Bottomly Cantaloupe

WATERMELON

Sow 1 ounce of seed to 30 hills; 4 to 5 pounds, an acre

CULTURE. Watermelons should be planted in hills 8 to 10 feet apart. Otherwise for culture, see directions for Cantaloupes. Do not grow them near pumpkins or gourds. About 85 days.

- Dixie Queen.** The sparkling, crisp, rich scarlet flesh is firm, sweet, and juicy right up to the rind, which is thin but tough. It is a splendid shipper.
- Excel.** The largest shipping melon yet produced, of good flavor, strong, tough rind, and solid, firm, crisp flesh that will keep well.
- Florida Favorite.** Large, long, striped melon, excellent for family garden. Rind thin, but firm; flesh very deep red and exceptionally sweet. Splendid shipper.
- Golden Heart.** A decided novelty in Watermelons, producing melons which have delicious yellow meat almost to the rind.
- Gray Jacket.** The productiveness is wonderful, the eating quality is all that could be desired in a Watermelon. Sparkling red flesh, very sweet, and entirely free from hard centers or stringiness, yet very firm and compact. Uniformly large (30 pounds). Gray rind. Ripens medium early, and is one of the best shippers. 85 days.

- Gray Monarch or Long White Icing.** Very large, long; crimson flesh.
- Hawkesbury.** Excellent market sort of fine eating quality, uniform shape, and highly resistant to fusarium wilt. Vines vigorous. Melons weigh 30 pounds or more. Light gray-green rind which is tough. Flesh red, no trace of hard centers. Black seeds.
- Kleckley Sweet.** Not a shipping variety, as the rind is too close to the ripe, fluffy, rich red meat, when in condition to use. Melons average about 20 inches long and ripen quite early.
- M.-S. SWEETHEART.** Give this one a trial for a real treat. Either for market or home.
- New Creation.** An enormous melon, rich green with mottled stripes. The thin rind is extremely tough and will stand shipping. Sparkling red flesh of a delicious flavor.
- Stone Mountain.** A round melon up to 50 pounds. Dark green skin. Deep red flesh, almost all heart; very sweet. Recommended for the home-garden and near-by markets. 90 days.

Thurmond Gray. This has earned a permanent place among the best shipping varieties and will be grown extensively in the future. It grows to large size (30 pounds), is productive, and the cutting quality is good. A long, thick, green-gray melon, with red flesh and thin rind. Seeds brown. 95 days.

Tom Watson. A large, long melon with dark green rind and light crimson flesh of excellent quality. A splendid shipper.

CITRON. Grows uniformly round and smooth, striped and marbled with light green. Flesh white and solid; seeds red. It should be borne in mind that this variety is not used for eating in the raw state, but for preserves, pickles, etc.

WATERMELON SEED. For medicinal purposes.

PRACTICAL VEGETABLE CULTURE. By A. E. Wilkinson. The growing of vegetables for home consumption and on the farm for profit. 308 pages, 177 illustrations. Cloth \$2.00, postpaid \$2.15.

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MUSKMELONS (CANTALOUPE), Green-fleshed				
	Pkt.	Oz.	¼lb.	Lb.
Long John.....	\$0 10	\$0 20	\$0 60	\$2 00
Bottomly.....	10	15	45	1 50
Knight.....	10	15	45	1 50
Rocky Ford.....	10	15	25	75
Baltimore Nutmeg.....	10	15	25	75
New Honeydew.....	10	15	30	1 00
MUSKMELONS (CANTALOUPE), Salmon-fleshed				
Hearts of Gold.....	10	15	30	1 00
No. 36. Hale's Best.....	10	15	30	1 00
Miller's Cream (Osage).....	10	15	30	1 00
Banana.....	10	15	50	1 50
Honeydew.....	10	15	30	1 00
M.-S. Golden Wonder.....	15	20	50	1 50
WATERMELON				
New Creation.....	10	20	50	1 25
Florida Favorite.....	10	15	25	75
Gray Monarch (Long White Icing).....	10	15	25	75
Gray Jacket.....	10	20	50	1 25
Dixie Queen.....	10	15	50	1 25
Stone Mountain.....	10	15	25	75
Thurmond Gray.....	10	15	30	1 00
M.-S. Sweetheart.....	10		30	1 00
Golden Heart.....	10	15	40	
Hawkesbury.....	10	20	60	1 50
Tom Watson.....	10	15	25	75
Excel.....	10	15	25	75
Kleckley Sweet.....	10	15	25	75
Citron.....	10	15	25	90
WATERMELON SEED (Medicinal).....				30



M.-S. Green Curled Beauty Parsley

PARSLEY

Sow 1 ounce of seed to 150 feet of drill

CULTURE. Parsley requires rich, mellow soil. The seed is even slower than that of the parsnip in germinating and should be sown as early as possible in the spring, in drills 1 foot apart. When plants are well up, thin to 1 foot in the row; when about 3 inches high, cut off the leaves and the plant will start a new growth. 70 days.

Champion Moss Curled. A distinct variety of unequaled merit, beautifully crimped and curled.

Green Mountain. Beautifully crimped and curled; perfectly hardy and vigorous grower.

M.-S. GREEN CURLED BEAUTY. Very handsome; dark green; beautifully curled. Dwarf habit; hardy and productive; very slow going to seed. It can be cut the year round.

Paramount. An unusually rich dark green variety. The curl is generally described as "triple curled," but is most uniform in this respect and the uniformity of plant type is also most striking. When thinned, the plants grow about 1 foot high with a spread of about 20 inches.

Plain or Single. Very hardy and strongly flavored.

Turnip-rooted or Hamburg. The fleshy root is used for flavoring soups, stews, etc.

PARSNIP

Sow 1 ounce to 200 feet of drill;
5 to 6 pounds to an acre

CULTURE. Sow as early in the spring as the weather will permit, in drills 16 inches apart and 1/2 inch deep, in a rich, deep soil; thin out to 6 inches apart in the rows. The quality of the roots is improved by leaving them in the ground over winter for spring use. 100 days.

All-American. Resembles Hollow Crown but roots slightly shorter, very free from side roots, uniform, with distinct hollow crown; tender and of fine flavor.

Improved Hollow Crown. A great cropper. Roots long, very smooth, white, tender, sugary, and of excellent flavor.



Improved Hollow Crown Parsnips



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SEEDS ON THIS
PAGE

PEPPER

One ounce of seed will produce 1,000 plants

CULTURE. Sow in hotbeds in March or April, or in a warm, sheltered border in May. When the season is favorable, transplant in rows 2 feet apart and 1 1/2 feet apart in row, in good, rich ground. About 120 days.

California Wonder. While similar both in size and shape to the Chinese Giant, this Pepper is much heavier, the meat being about three times as thick. The flavor is sweet, excellent, and the keeping quality could not be better. A medium-sized Pepper will average 1/2 pound or better in weight when ready for marketing.

Chinese Giant. A real monster Pepper, perfectly sweet. The fruit is green, turning to bright scarlet. Matures very late.

Crimson Giant. Like above, somewhat longer and earlier.

Golden Dawn. A large, very sweet yellow variety.

M.-S. EVERBEARING SWEET. A large Pepper of the finest quality, the flesh being so thick and tender that it can be fried like meat and so sweet that it can be eaten like an apple. It is an early variety and is a generous producer.

Perfection Pimiento. Very fleshy and sweet.

Ruby King. Good for mangoes or pickling. Large, very sweet; quite productive.

World Beater. Excellent market gardeners, sort.

Hot Varieties

Red Cherry. A small, round Pepper. Very hot.

Small Chili. Small, conical pods. Very hot.

Large Bell or Bull Nose. Large, early, hot thick, fleshy variety.

Long Red Cayenne.

PEPPER PLANTS. Listed on page 37.

M.-S. IMPROVED JUMBO PEANUTS

CULTURE. Plant in May or early June, in rows about 2 1/2 to 3 feet apart, dropping the nuts 8 to 10 inches apart, one in a hill. Cover 1 or 2 inches deep. Cultivate 3 or 4 times with a cultivator, so as to loosen the earth and keep down weeds, and at the last working, with a shallow turn-plow, throw the dirt to the nuts. *Special price on large quantity.*

California
Wonder Pepper



PARSLEY

	Pkt.	Oz.	1/4lb.	Lb.
Paramount.....	\$0 10	\$0 15	\$0 25	\$0 75
M.-S. Green Curled Beauty.....	10	15	30	75
Champion Moss Curled.....	10	15	25	60
Green Mountain.....	10	15	25	60
Plain (Single).....	10	15	35	75
Turnip-rooted (Hamburg).....	10	15	25	75

PARSNIP

Improved Hollow Crown.....	10	15	20	75
All-American.....	10	15	35	1 00

PEANUTS, M.-S. Improved Jumbo.....

PEPPER

	Pkt.	1/2oz.	Oz.	2 ozs.	1/4lb.	Lb.
California Wonder.....	\$0 10		\$0 30		\$1 00	\$3 50
Chinese Giant.....	10		40	\$0 75	1 25	4 00
Crimson Giant.....	10		40	75	1 25	4 00
M.-S. Everbearing Sweet..	10	\$0 30	50	90	1 50	5 00
Perfection Pimiento.....	10	30	50			
Ruby King.....	10	20	25		75	2 75
World Beater.....	10	20	25		75	2 75
Golden Dawn.....	10	35	60			
Large Bell (Bull Nose) Hot.	10	20	35		1 00	3 25
Long Red Cayenne.....	10	25	40			
Small Chili.....	10	30	50			
Red Cherry.....	10	40	75			

PEAS M.-S. SUPERIOR HAND-PICKED

Legume-Aid—the best inoculation for Peas. See page 39

Prices on larger quantities on application

Prices on all Peas are subject to market changes

Sow 1 quart of seed to 200 feet of row; ½ to 2 bushels to an acre in drills

CULTURE. Peas succeed best in light, dry, loamy soil. Sow the early, smooth, round sorts as early in the spring as the ground can be worked. Seeds of wrinkled varieties are more liable to rot if the ground is cold, and must be planted later. Sow in single rows, or in double drills, 6 to 8 inches apart, 1 inch apart in the drill, and not less than 4 inches deep; for late sorts 5 to 6 inches deep. Deep planting prevents mildew.

If to be sent by Parcel Post, add 8c per pt.; 10c per qt.; 16c per ½pk.; 25c per pk.; 75c per bus.

Extra-Early Varieties

Weight, 60 pounds per bushel. About 50 days

Early Bird. As early as Alaska and First and Best and as large as Thomas Laxton or Gradus. Dwarf, vigorous vines about 2 feet high, covered with immense pods filled with delicious Peas. Perfectly hardy. Can be planted as early as any variety.

Extra-Early Alaska. Popular among market gardeners for an early crop. The pods are of medium size, dark green and ripen almost at one time.

Long-podded Alaska or Bountiful. Vines 3 feet high and heavy bearers. The pods, 3 inches long, mature shortly after Alaska, and are well filled with sweet, tender Peas.

Mammoth-podded Extra Early. Vines 3 feet high. Pods dark green, 4 inches long, containing 7 extra-large, light green Peas. A very productive and extra-fine sort.

Pedigree First and Best. An excellent strain of first-early Peas largely planted throughout trucking sections. Height, 2 to 2½ feet.

Pilot. A few days earlier than Gradus, with a larger pod. Height, 3 feet. As the seed is almost smooth, it can be sown with the Extra Earlys.

Prolific Early Market. A most satisfactory prolific early sort, both for the market gardener and the home gardener.

Extra-Early Wrinkled Varieties

Weight, 56 pounds per bushel. About 55 days

Early Wonder. Extremely early, of high quality and very productive. Pods are dark, long, well filled, and handsome. Can be shipped long distances.

Gradus or Prosperity. The pods, fully as long as those of the well-known Telephone, contain very large Peas that are unexcelled for sweetness.

Laxtonian. Hundred-fold strain, sometimes called Blue Bantam. Pods 3½ to 4 inches long, slightly curved. Very heavy yielder.



M.-S. World's Record Peas

Laxton's Progress. Splendid variety for home, market garden and shipping. Vines dwarf, 18 to 22 inches tall, dark green, prolific. Pods handsome, dark green, fully 4 inches long. 60 days.

M.-S. WORLD'S RECORD. Medium-height vines with dark green, heavy foliage, bearing large, handsome, well-filled pods measuring sometimes 4 inches and longer, filled with from 8 to 12 tender, luscious Peas.

Thomas Laxton. Old stand-by.

Medium-Early Wrinkled Varieties

About 60 days

Daisy or Dwarf Telephone. The pods are well filled with large Peas of most excellent quality. The vines are 16 to 18 inches high, and, being strong and thrifty, require no support.

M.-S. LITTLE MARVEL PEA. An extremely valuable variety especially suited to small home-gardens, and also splendid for early market gardening. It matures very early and produces large crops. The vines grow about 15 to 18 inches high. Pods are dark green, fair sized, produced in pairs, and are closely filled with 7 to 8 Peas of extra-fine flavor.

Nott's Excelsior. Resembling Little Marvel in habit and growth.

Medium and Late Varieties

About 70 days

Champion of England. Grows 4½ feet high. Medium-sized pods filled with Peas of good quality.

Dwarf Gray Melting Sugar. The pods as well as the Peas of this variety are edible and both very sweet.

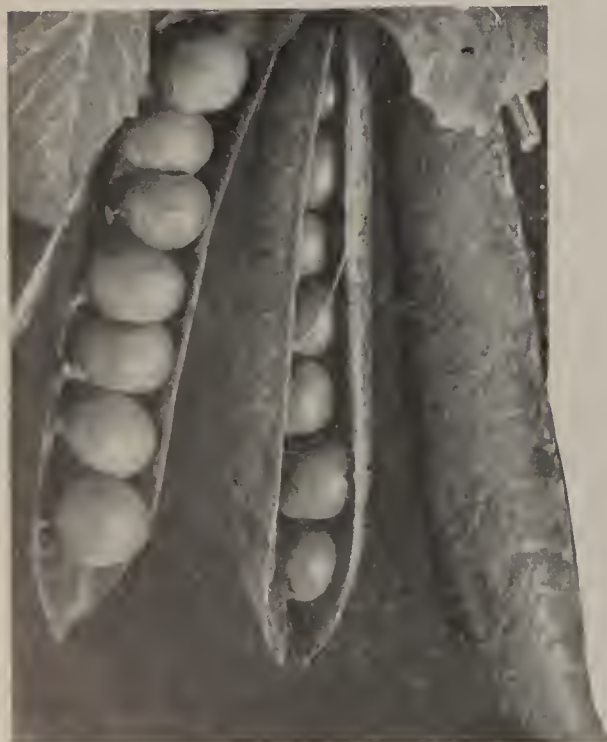
Tall White Melting Sugar. Like the dwarf, the pods as well as the Peas are eatable and both very sweet.

Telephone. For general planting this tall-growing variety is undoubtedly the most popular among market gardeners. The pods, 4 to 4½ inches long, are light green in color and filled with large, sweet, tender Peas.

Black-eyed Peas. Popular variety for soup in their dry state.

For the convenience of our customers, we suggest the varieties listed below, for successive planting and maturity. These Peas succeed each other in their numerical order as listed.

1. Early Bird
2. M.-S. World's Record
3. M.-S. Little Marvel
4. Daisy or Dwarf Telephone
5. Telephone



M.-S. Little Marvel Peas

PEAS, EXTRA-EARLY	Pkt.	Pt.	Qt.	½pk.	Peck
	All bus. prices on request				
Early Bird.....	\$0 10	\$0 25	\$0 40	\$1 25	\$2 25
Mammoth-podded Extra Early.....	10	25	40	1 25	2 25
Pilot.....	10	25	40	1 25	2 25
Long-podded Alaska (Bountiful).....	10	25	40	1 25	2 00
Extra-Early Alaska.....	10	25	40	1 15	2 00
Pedigree First and Best.....	10	25	40	1 15	2 00
Prolific Early Market.....	10	25	40	1 15	2 00
PEAS, EXTRA-EARLY WRINKLED					
Early Wonder.....	10	25	40	1 25	2 25
M.-S. World's Record.....	10	25	40	1 50	2 25
Laxton's Progress.....	10	25	40	1 50	2 25
Laxtonian, Hundred-fold strain.....	10	25	40	1 25	2 25
Thomas Laxton.....	10	25	40	1 25	2 25
Gradus (Prosperity).....	10	25	40	1 25	2 25
PEAS, MEDIUM-EARLY WRINKLED					
M.-S. Little Marvel.....	10	30	50	1 50	2 50
Nott's Excelsior.....	10	25	40	1 25	2 25
Daisy (Dwarf Telephone).....	10	25	40	1 25	2 25
PEAS, MEDIUM AND LATE					
Telephone.....	10	25	40	1 25	2 25
Champion of England.....	10	25	40	1 25	2 25
Dwarf Gray Melting Sugar Peas.....	10	30	50	1 75	3 00
Tall White Melting Sugar Peas.....	10	30	50	1 75	3 00
Black-eyed Peas.....			25	75	

POTATOES

Prices subject to market fluctuations. Prices on bag lots or larger quantities of Selected or Certified Stock furnished on application.

Present price of all kinds, peck and bushel lots, Selected Stock, 50c per pk.; \$1.50 per bus., except where noted.

If wanted by Parcel Post, add 25c to pk.; 75c to bus., for 1st and 2d zones.

CULTURE. Planting may commence as early in the spring as the ground can be worked. Place one piece every 1 foot in rows 2½ feet apart, covering about 4 inches. When cutting the seed, allow two eyes to each piece.

Plant 8 to 10 bushels of Seed Potatoes per acre

Chippewa. Originated by U. S. Dept. of Agric. Seven to ten days later than Irish Cobblers. Immune to mosaic and superior to Cobbler in smoothness and whiteness. During the past 5 years it has outyielded the best strains of Cobblers on both muck and upland soils. Pk. 65c; bus. \$1.75.

Houlton Early Rose. This strain of the old favorite Early Rose has been the most popular on our market in recent years.

Irish Cobbler. An early Potato of exceptional merit which has given our trade entire satisfaction. Round; flesh white; eyes strong and deeply set.

Katahdin. Originated by U. S. Dept. of Agric. Handsome, shallow-eyed glossy, white-skinned variety that matures a little earlier than Green Mountain and the Rurals. Beats all varieties in uniformity of shape, size, and general appearance. Pk. 65c; bus. \$1.75.

M.-S. FILL BASKET. On account of the large yields that have been reported on this Potato, our sales on it have increased wonderfully. It is of handsome shape and most desirable for the best trade. A vigorous grower; ripens uniformly; a good keeper; medium late. The vines are always very heavy, the seed being especially vigorous and tubers always good size, where soil is well tilled. Very smooth and a good cooker.

Red Bliss. Very early. Thin, red skin; round; white flesh.

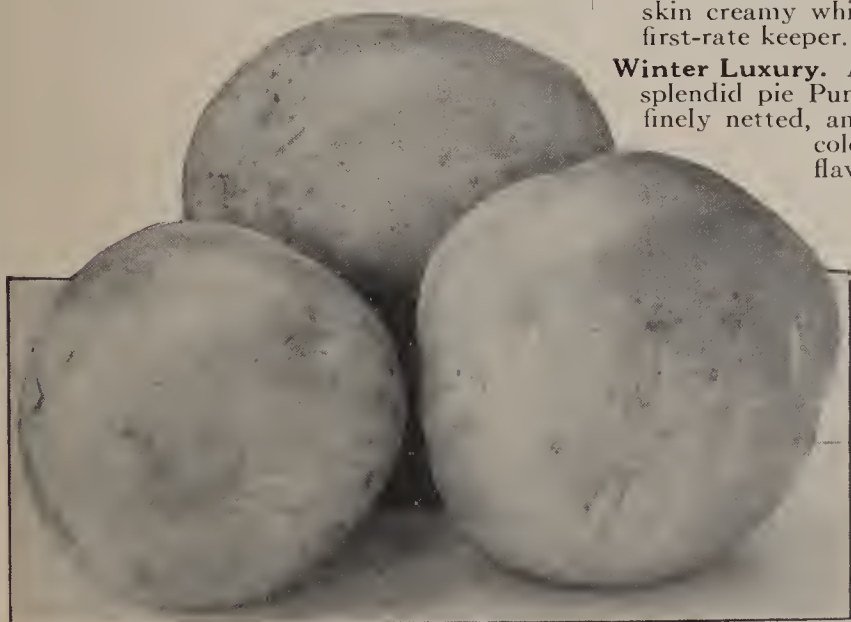
Improved Green Mountain Prosperity Dakota Reds

All three late sorts. Prices furnished on application

CHOICE SEED SWEET POTATOES. Leading varieties. Prices on application.

SWEET POTATO PLANTS. See page 37.

FOR LARGER CROPS, DIP WITH SEMESAN BEL



Katahdin Potatoes

PUMPKIN

We pay postage on pkts., ozs., ¼lbs., and lbs.

Sow 1 ounce to 15 hills; 3 to 4 pounds to an acre

CULTURE. Sow in the month of May. Make hills the same as you do for squashes but do not make them too close. About 85 days.

Common Yellow or Connecticut Field. Very productive; for feeding stock.

Cushaw or Winter Crookneck. An old standard variety which is very popular. It is also used for feeding stock. Long, yellow crookneck, fine-grained yellow flesh, very solid.

Cushaw Striped. Same as above, but it is green and white striped.

Japanese Pie. Flesh very thick, rich salmon color, fine grain, dry and sweet.

King of the Mammoths or Pot Iron. An immense variety, which always wins the prize offered for the largest and best Pumpkins; grown to weigh over 200 pounds. Flesh of a rich, golden yellow; a splendid keeper.



M.-S. Sugar Pie Pumpkin

M.-S. SUGAR PIE. These Pumpkins are small but are of the best quality, with very sweet, fine-grained flesh which makes the very finest of pies. An excellent market and home-garden variety.

M.-S. YANKEE PIE PUMPKIN. We consider this to be the best pie Pumpkin that grows. Strong vines bear an abundance of good keeping, large, handsome, pear-shaped golden yellow Pumpkins which ripen early. They are so sweet that they require very little sugar.

Tennessee Sweet Potato. Excellent for pies. Pear-shaped, medium size, flesh and skin creamy white, fine grained, sweet, a first-rate keeper.

Winter Luxury. A very good keeper and a splendid pie Pumpkin; shape round; skin finely netted, and beautiful russet-yellow color; flesh thick and of fine flavor.



Myatt's Victoria Rhubarb

RHUBARB

CULTURE. Sow seed in a coldframe, in a fine, rich sandy loam, about March 1, in drills 4 inches apart. Keep the frames covered during nights and cold days, so that the soil will not freeze, and in 6 to 8 weeks the plants will be large enough to set out in the open ground. Transplant to rich soil and set 1 foot apart in rows. The following spring transplant to a permanent location, setting 4 to 5 feet apart each way. In good soil Rhubarb is ready to use the second year from seed.

If our 2-year-old roots are used, a crop may be had the same season, which is much better than sowing seed where only a few plants are needed for family use. In the fall the bed should have a thick dressing of coarse manure to be spaded under in spring.

Myatt's Victoria. The leading variety.

RHUBARB ROOTS. See page 37.

SORREL or SOUR GRASS

CULTURE. Sow in spring in rich soil, in drills 1½ feet apart, and keep the flower-stems cut off as they appear. It remains in the ground year after year, and only needs to be taken up and divided once in 4 to 5 years. Cut and cook precisely like spinach; or it is excellent cooked with it, one-third Sorrel to two-thirds spinach. It is also used for soups. Inasmuch as the hot sun tends to increase its acidity, a northern exposure is preferable.

Narrow-Leaf

Broad-Leaf

PUMPKIN	Pkt.	Oz.	¼lb.	Lb.
M.-S. Yankee Pie Pumpkin	\$0 15	\$0 20	\$0 35	\$1 00
King of the Mammoths (Pot Iron)	10	15	25	75
Cushaw (Winter Crookneck)	10	15	25	90
Cushaw Striped	10	15	25	75
Japanese Pie	10	15	25	75
Tennessee Sweet Potato	10	15	25	75
Winter Luxury Pumpkin	10	15	25	90
M.-S. Sugar Pie	15	20	35	1 00
Common Yellow (Connecticut Field)	10	15	20	50
RHUBARB				
Myatt's Victoria	10	20	60	1 50
SORREL (Sour Grass)				
Narrow-Leaf	10	20	50	1 50
Broad-Leaf	10	20	50	1 50

RADISH

M.-S. SELECTED SEED

*Sow 1 ounce of seed to 50-foot drill;
10 pounds in drills to an acre*

CULTURE. To be tender and crisp Radishes must be grown quickly, and this requires rich soil and plenty of moisture. Commencing with the first mild spell in the spring, sow at intervals of 10 days. May also be sown as a catch crop between rows of beets, lettuce, onions, etc. Radishes can be forced in hot-beds, but must have plenty of ventilation and moisture.

Early Varieties

25 to 30 days

Early Long Scarlet Short-Top.

Early French Breakfast. Rapid grower. Oblong shape; very mild and tender; beautiful scarlet color, tipped with white.

Icicle. Slender, smooth, pure white roots that average about 6 to 7 inches long when matured. Quite early and of excellent quality.

Long White Vienna or Lady Finger.

M.-S. EARLY CARDINAL. These little Radishes are of the most brilliant fiery red color that we have ever seen in a Radish. They are perfectly round and come so early in the season that if they were only of ordinary quality, they would be desirable, but they are unusually tender and crisp. They will stand the heat, are fine for forcing and are most desirable for both the home-garden and market.

New Glass or Cincinnati Market. A long scarlet Radish with a distinctive white tip. Fine for home-garden as well as an attractive one for market stall.

Scarlet Globe Early. Can be used for forcing and early outdoor planting. Small, round, red; with rich, crisp, tender flesh.

White Box. (Turnip shape.) Fine for forcing and open ground.

White-tipped Scarlet Globe. A good, very early forcing variety. Small; bright scarlet with white tip; good quality.



Icicle Radishes

Summer Radishes

Golden Globe. Golden brown skin; perfect globe shape; mild and brittle.

Large White Stuttgart. Very large, top-shaped; flesh and skin white, fine quality, firm, and brittle, seldom pithy. Can be stored for winter.

White Strasburg. Handsome; oblong, tapering; skin and flesh pure white, firm, brittle, tender, and retains its crispness even when the roots are old and large. Withstands severe heat and grows quickly.

Winter Varieties

60 days. Plant after August 15 and through September

China Rose or Scarlet China. Bright rose-colored, stump-rooted Radish of excellent quality.

Long Black Spanish. Large Radish with black skin and white, firm flesh. Grows 6 to 8 inches long.

Round Black Spanish. Like the above, except that it is round.

Sakurajima or Mammoth Japan. The largest sort in cultivation. Sow in rich soil. In Japan it grows as much as 21 inches long and 43 inches in circumference. Thin well to allow proper development.

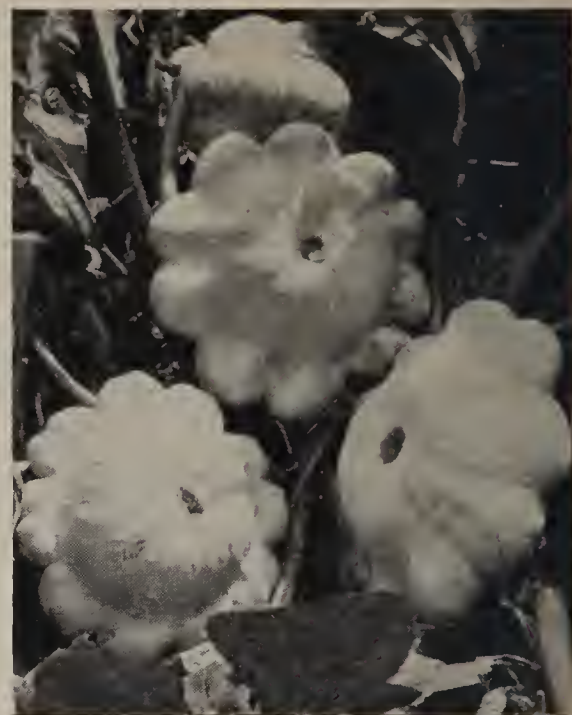
White Chinese or New Celestial. Large; stump-rooted; white skin and flesh, mild in flavor, brittle and never woody. A splendid keeper.

SQUASH

Bush Sorts: Sow 1 ounce of seed for 50 hills; 5 to 6 pounds to an acre. Running Varieties: 3 to 4 pounds in hills to an acre

CULTURE. Squashes should be planted in a warm, light, rich soil after the weather has become settled and warm—about the middle of May or June. Plant in well-manured hills, in the same manner as cucumbers and melons—the bush varieties 3 to 4 feet apart each way and the running kinds from 6 to 8 feet; 8 to 10 seeds should be sown in each hill, thinning out after they have attained their rough leaves and danger from bugs is over, leaving 3 or 4 of the strongest plants per hill. About 60 and 100 days.

Blue Hubbard. A selection from the original Hubbard. Fruit large, gray-blue, remarkably good keeper and excellent quality. Running variety. Late.



Green-tinted Bush Squash

Boston Marrow. Large, oval, hard-shelled sort, highly esteemed for winter use. Bright orange skin and deep orange flesh. Strong running growth. Very productive. Late.

Early White Bush.

Giant Yellow Straightneck. Like Crookneck, but straight and thicker, containing more flesh.

Golden Hubbard. Like the above but of a beautiful, orange-red color. Late.

Green-tinted Bush. Particularly desirable for market gardeners on account of its green-tinted, well-scalloped, uniform, small-sized fruit.

Hubbard. An excellent keeper of splendid quality. Vines of strong, running growth. Large, olive-shaped fruits with dark green skin; rich flesh. Late.

M.-S. PERFECTION BUSH. This is the finest scalloped white Squash that grows. It reaches a large size but stays tender as butter for a long time. The best for home-gardens and market gardeners.

Summer Crookneck, Bush Variety. About 1 foot long, with crooked neck; bright yellow, warty shell, hard when ripe.

RADISH, EARLY VARIETIES									
	Pkt.	Oz.	1/4lb.	Lb.	5 lbs.	25 lbs.	50 lbs.		
Scarlet Globe Early.....	\$0 10	\$0 15	\$0 20	\$0 60	\$2 50	\$11 25	\$20 00		
M.-S. Early Cardinal.....	15	20	35	1 00					
French Breakfast, Early.....	10	15	25	75					
Early Long Scarlet Short-Top...	10	15	20	60					
Icicle.....	10	15	20	60	2 50	11 25	20 00		
Long White Vienna (Lady Finger)	10	15	20	60					
New Glass (Cincinnati Market)..	10	15	25	75					
White Box.....	10	15	25	75					
White-tipped Scarlet Globe.....	10	15	20	60					
RADISH, SUMMER VARIETIES									
White Strasburg.....	10	15	20	60	2 50	11 25	20 00		
Golden Globe.....	10	15	25	75					
Large White Stuttgart.....	10	15	25	75					
RADISH, WINTER VARIETIES									
Long Black Spanish.....	10	15	25	75					
Round Black Spanish.....	10	15	25	75					
China Rose (Scarlet China).....	10	15	25	75					
White Chinese (New Celestial)..	10	15	20	60					
Sakurajima (Mammoth Japan)..	10	25	75						
SQUASH									
	Pkt.	Oz.	1/4lb.	Lb.					
M.-S. Perfection Bush.....	\$0 10	\$0 15	\$0 30	\$0 90					
Early White Bush.....	10	15	25	75					
Green-tinted Bush.....	10	15	25	75					
Summer Crookneck, Bush Variety.....	10	15	35	1 00					
Giant Yellow Straightneck.....	10	15	35	1 00					
Hubbard.....	10	15	30	1 00					
Golden Hubbard.....	10	15	30	1 00					
Boston Marrow.....	10		20	50					
Blue Hubbard.....	10	15	30	1 00					



M.-S. Reselected Bloomsdale Savoy-leaved Spinach

SALSIFY or OYSTER PLANT

Sow 1 ounce of seed to 70 feet of drill;
about 8 pounds to an acre

CULTURE. Sow as early as ground can be worked in spring, in drills 1 inch deep, and thin out to 6 inches in the row. Cultivate the same as for carrots and parsnips. A part of the crop may be left in the ground until spring, when it will be found fresh and plump. The roots are cut into pieces ½ inch long, boiled until tender, and then served with drawn butter, in which way it is a delicious vegetable. They are also mashed and baked like parsnips and have a sweet and agreeable flavor like that of the oyster. 110 days.

Mammoth Sandwich Island. An improved type and the largest and most profitable Salsify now in cultivation. The roots are white and are satisfactory in every way. Invaluable to market gardeners and truckers.

WE PAY POSTAGE ON PKTS., OZS.,
¼LBS., AND LBS.

SALSIFY (Oyster Plant)

Mammoth Sandwich Island.....	Pkt.	Oz.	¼lb.	Lb.
	\$0 10	\$0 15	\$0 40	\$1 25

SPINACH

M.-S. Reselected Bloomsdale Savoy-leaved.....	Pkt.	¼lb.	Lb.	5 lbs.	100 lbs.
Dark Green Bloomsdale.....	10	15	30	1 25	12 00
Virginia Blight-resisting Bloomsdale Savoy.....	10	15	30	1 25	13 00
Old Dominion.....	10	15	40	1 50	14 00
New Long-standing Bloomsdale.....	10	15	30	1 25	12 00
New Zealand.....Oz. 15c..	10	25	75		

TOBACCO SEED

Adcock.....	Pkt.	Oz.	¼lb.	Lb.
Bonanza.....	10	40	1 25	4 00

TURNIP

M.-S. Early Champion.....	10	15	20	60
Red- or Purple-Top White Globe.....	5 lbs. \$2.00..	10	15	50
Extra-Early Purple-Top Flat Strap-leaved.....	10	15	20	50
Golden Neckless Purple-Top Rutabaga.....	10	15	20	50
Improved Purple-Top Rutabaga.....	10	15	20	50
Purple-Top Yellow Aberdeen.....	10	15	20	50
White Egg.....	10	15	25	75
White Milan.....	10	15	20	60
Yellow or Amber Globe.....	10	15	20	50
Cow Horn.....	10	15	20	50
Seven-Top.....	10	15	20	40
Shogoin (Japanese Salad Turnip).....	10	15	20	50

VEGETABLE MARROW

Black Zucchini.....	10	15	40	1 25
Cocozelle di Napolie.....	10	15	30	1 00
Zucchini Caravazzi.....	10	15	40	1 25

SPINACH

Sow 1 packet of seed to 50 feet of drill;
15 to 20 pounds to an acre

CULTURE. Sow in early spring, in drills a foot apart, every 2 weeks for a succession, and, as it grows, thin out for use. For fall use, sow in August, and for winter crop in September. Cover that which is left over winter with straw or leaves after the weather becomes quite cold. Sow seed of New Zealand in hills 2 feet apart each way, 3 or 4 seeds in a hill. 45 to 55 days.

Dark Green Bloomsdale. A better and darker strain of the well-known Reselected Bloomsdale. Its darker color gives the leaves fresh appearance for a longer time after being cut than ordinary Bloomsdale.

M.-S. RESELECTED BLOOMSDALE SAVOY-LEAVED. The popular fall Spinach so largely grown for market. Grows upright, the leaves being crumpled, dark green, and very thick.

New Long-standing Bloomsdale. It is almost as early and quick-growing as the old Bloomsdale, but it will stand in marketable condition 10 to 14 days longer before going to seed. Intensely crumpled, blistered, very uniform, deep glossy green leaves.

New Zealand. Of delightful flavor and practically everbearing.

Old Dominion. A blight-resisting Long-standing Spinach for fall sowing. Well-curved dark green leaves. Plants are compact and lie close to the ground.

Virginia Blight-resisting Bloomsdale Savoy. Although of lighter color and not as heavily crumpled as Reselected Savoy, this strain is absolutely blight-proof and will succeed where the older variety blights.

TOBACCO SEED

Adcock. One of the best Tobaccos for poor land. The leaves are broad for their length and set well apart on the stalk, exposing a greater surface to the sun, resulting in a more uniform ripening and more even crop. Best adapted to light gray or sandy soils. Cures bright.

Bonanza. A broad-leaved bright Tobacco that is especially adapted to the sandy soils of Maryland and Virginia. Easy to cure and makes a rich leaf of good weight and bright color.

TURNIP

Sow 1 packet of seed to 100 feet; 2 pounds to an acre

CULTURE. For early use, sow as soon as the ground opens in spring; thin out to 6 to 9 inches in the rows. For a succession, continue to sow in July and August. The Rutabagas are grown for feeding stock and are also excellent for the table. Take up the roots in November or before severe frosts; cut off the tops within an inch of the crown; store in a cool cellar, or pit, or pile up in a conical form, outdoors, in dry ground; cover carefully with long straw and finish by earthing up, covering them with about 12 to 15 inches of earth, leaving a trench around the heap to carry off the water. Put away in this manner they will be found in good condition in the spring. 50 to 75 days.

Extra-Early Purple-Top Flat Strap-leaved.

Golden Neckless Purple-Top Rutabaga. Improved strain without neck. Tops rather short, but good-sized root. Flesh deep yellow and fine-grained.

Improved Purple-Top Rutabaga.

M.-S. EARLY CHAMPION. Large; perfect globe shape; white as snow, with a beautiful distinct red shoulder. Tops are not over-large. Stays tender and sweet a long time.

Purple-Top Yellow Aberdeen. Medium size; round; pale yellow; tender and sugary. Hardy, productive, and keeps well. An esteemed variety for stock.

Red or Purple-Top White Globe. Globular shape; very handsome; of superior quality. Heavy producer; early; of rapid growth and an excellent keeper.

White Egg. A quick-growing, egg-shaped variety.

White Milan. Very early. Pure white; sweet and tender. Short tops, flat.

Yellow or Amber Globe. Excellent for table use or stock. Fine quality, keeps well.

Cow Horn. A long, white, carrot-shaped Turnip which grows half out of the ground. Mostly used for feeding stock, but makes a fine table sort.

Seven-Top. Grown exclusively for its tops and when properly prepared and cooked, makes a fine dish. Withstands our winter without any protection.

Shogoin. Japanese Salad Turnip. Resists insects and can be grown in hot weather. Makes a Turnip 2 to 3 inches in diameter.

VEGETABLE MARROW

Black Zucchini. Bush type. Fruits weigh 5 to 6 pounds, cylindrical, slightly fluted, dark black-green; flesh greenish white and of good flavor.

Zucchini Caravazzi. Similar to the above, but the color is light green. Great favorite with the Italians.

Cocozelle di Napolie. Grows about 20 inches long with a diameter of 3 to 4 inches. Skin smooth, dark green, marbled yellow or pale green. Fine flavor.



M.-S. Early Champion Turnip

TOMATOES

M.-S. SURE-CROPPING

Tomato Seed sent postpaid

One ounce of seed will produce 1,500 plants; 1/4 pound or transplanting an acre

CULTURE. The seed should be sown in a hotbed about the first week in March or latter part of February, in drills 5 inches apart and 1/2 inch deep. When the plants are about 2 inches high they should be set into small pots, allowing a single plant to a pot. About the first of May the plants may be set out in the open ground in hills 3 to 4 feet apart each way. (Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower-pot and placing it in a sunny window of the room or kitchen.) Cultivate thoroughly as long as the vines will permit, but the last two or three workings of the soil should be very shallow (surface cultivation) or the crop may be badly injured, especially if the cultivator is run too near the young plants. From 90 to 120 days.

Early Varieties

Asgrow Cardinal. An early, large-fruited Tomato of the Early Stone type. The fruit is quite large, perfectly smooth, brilliantly colored, and very meaty. The vines are strong-growing and productive.

Asgrow Scarlet Dawn. Medium-sized but very prolific plants which mature their fruit in 70 days. Fruits are medium-sized, globular, smooth, bright scarlet, and with thick wall structure.

Earliana. Particularly desirable for shipping and for earliest market. The fruits are smooth, round, and of fine red color.

M.-S. EARLY WONDER. This is the thirteenth year that we are offering this wonderful extra-early Tomato, after several years of careful selection. The fruits are large for so early a variety, round or slightly flattened, deep scarlet-red, smooth, free from cracks, and of fine quality. It produces ripe fruit as early as Earliana and continues to yield marketable fruit for a longer period than the other first-early varieties. Vines vigorous and productive.

Pritchard or Scarlet Topper. Very promising, heavily productive, wilt-resistant introduction of superior merit for home and market garden, shipping and canning. Fruits large, globe-shaped, scarlet and well colored about the stem end; flesh firm and of fine quality. 75 days.

Second-Early Varieties

Bonny Best. A most profitable variety for early and main crop.

Break o'Day. One of its parents is Marglobe, which it resembles in color, shape, size, and solidity, but it is 10 to 12 days earlier.

John Baer. (Regular Stock.)

June Pink. (True Strain.) For gardeners who have a market for a nearly purplish pink fruit, which is produced in clusters.

Main-Crop Varieties

Beefsteak. Resembles Ponderosa in many ways, except that the fruits are a rich scarlet-red color.

Greater Baltimore. (Regular Stock.)

Indiana Greater Baltimore. An improved strain of Greater Baltimore. Fruits flat but thick, deep scarlet, medium large, solid and firm. Wilt-resistant. 83 days from setting plants to marketable fruit.

Marglobe. (Regular Stock.)

Marglobe. (Certified.) Vigorous plants bear a wonderful crop of uniformly globe-shaped, large deep scarlet fruits. The flesh is bright red, solid, meaty, and juicy.

M.-S. BIG CHIEF. A grand main-crop Tomato of the very highest quality. It produces an abundance of large, handsome red fruits which ripen clean to the stem and bears heavily from the early part of July until frost. It is a very shy seeder. The meat is deliciously juicy and free from acid. It is rare to see an ill-shaped fruit on M.-S. Big Chief vines.

Market Champion. A fine large red Tomato that lives up to its name.



M.-S. Early Wonder Tomato

New Stone. So well known that it needs no description.

Oxheart. The largest Tomato ever introduced; fruits weigh up to 1 1/2 pounds. Skin is purplish scarlet, smooth and evenly colored. This shape is most distinct. Extremely solid and have few seed cells.

Ponderosa. Large, solid purple Tomato, fairly smooth and very good quality. Quite free from acid.

Rutgers Main-Crop. (Certified.) This unusual Tomato is from the New Jersey Agricultural Experiment Station. It is somewhat similar in shape to Marglobe but larger. The flesh is firm, red, and very solid. Ripening begins at the center, insuring good color throughout. Ripens with Marglobe. Fills all requirements.

TOMATO PLANTS. See page 37.

Preserving Varieties

Golden Queen. Yellow; large and solid.

Husk or Strawberry.

Peach. Very small, pink fruit with slight peach bloom on skin.

Red Cherry. Small; grows in clusters.

Red Pear. Pear-shaped red.

Yellow Pear-shaped.

Yellow Plum-shaped.

Glick's Famous Tomato Seed

Glick's Seeds are grown on Glick's Farms, where disease is unknown, and entirely isolated from any commercial Tomato-growing section. It is supervised on a strictly quality basis for planters of the better class, whose success is dependent on the very best seed that can be produced.

GLICK'S IMPROVED GROTHENS

GLOBE. (Pennsylvania Certified.) A second-early Tomato well adapted to green-wrap shipping. Resembles Break o'Day, and is similarly disease-resistant, but has a positive red color. Heavy producer. Fruits medium large, globular, firm, solid. Red-oxide treated. Pkt. 15c; oz. 40c; 1/4 lb. \$1.35; 1/2 lb. \$2.50. 1-lb. sealed canisters, \$5.00.

GLICK'S IMPROVED MARGLOBE.

(Pennsylvania Certified.) Red-oxide treated. Pkt. 15c; oz. 40c; 1/4 lb. \$1.35; 1/2 lb. \$2.50. 1-lb. sealed canisters, \$4.50.

GLICK'S RUTGERS.

(Pennsylvania Certified.) Red-oxide treated. Pkt. 15c; oz. 40c; 1/4 lb. \$1.35; 1/2 lb. \$2.50. 1-lb. sealed canisters, \$5.00.

TOMATOES, EARLY VARIETIES

	Pkt.	1/2oz.	Oz.	1/4lb.	Lb.
M.-S. Early Wonder	\$0 15	\$0 30	\$0 50	\$1 50	\$5 00
Asgrow Cardinal	15	40	75	2 00	6 00
Asgrow Scarlet Dawn	15	25	45	1 35	5 00
Earliana	10		30	1 00	3 50
Pritchard (Scarlet Topper)	15	25	40	1 00	3 50

TOMATOES, SECOND-EARLY VARIETIES

Break o'Day	10	25	40	1 50	5 00
Bonny Best	10		30	1 00	3 00
John Baer	10		30	1 00	3 00
June Pink	10		40	1 25	4 50

TOMATOES, MAIN-CROP

Marglobe (Certified)	10		30	1 00	3 50
Marglobe	10		30	1 00	2 50
M.-S. Big Chief	15	25	40	1 50	5 00
New Stone	10		20	60	2 00
Greater Baltimore	10		20	60	2 00
Rutgers Main-Crop (Certified)	15		35	1 25	4 50
Market Champion	10		30	1 00	3 50
Ponderosa	10		50	1 50	5 00
Beefsteak	15	35	55		
Indiana Greater Baltimore	10		30	90	3 00
Oxheart	10	30	50	1 75	6 00

TOMATOES, PRESERVING VARIETIES

Golden Queen	10	25	40	1 50	
Yellow Pear-shaped	10	20	30	1 00	
Yellow Plum-shaped	10	20	30	1 00	
Red Pear	10	25	40		
Peach	10	25	40		
Husk (Strawberry)	10	30	50		
Red Cherry	10	30	50		

VEGETABLE PLANTS AND ROOTS

NO PLANTS SENT C. O. D. We cannot send plants to restricted Japanese beetle zones.

All of our plants are produced from our **M.-S. Sure-Growing Seeds**, and will give wonderful results. If wanted in larger quantities, write for special quotations. The time when plants are ready is greatly controlled by the season; the specified time is the earliest date.

Artichokes

(Ready in April)

Jerusalem. Propagated by and for its tubers. Used for the table and stock-feeding. Qt. 35c, postpaid 45c; pk. \$1.50, postpaid \$1.75.

Asparagus Roots

(Ready October 15 and March 1)

Two-year-old roots usually produce second year after planting.

Mary Washington. Dark green stalks. 2-yr. roots, 25c per doz.; \$1.25 per 100; \$8.50 per 1000. If wanted by mail, add 10c per doz.; 15c per 100; 50c per 1000.

Borecole Plants

(Ready July 1)

20c per doz.; 75c per 100. If wanted by mail, add 5c per doz.; 15c per 100

Broccoli Calabrese Plants

(Ready May 15)

25c per doz.; \$1.50 per 100. If wanted by mail, add 5c per doz.; 10c per 100

Brussels Sprouts

(Ready in July)

Matchless Improved. 25c per doz.; 75c per 100; \$6.00 per 1000. If wanted by mail, add 5c per doz.; 10c per 100.

Cabbage Plants

(Ready April 15)

Early Flat Dutch **Jersey Wakefield**
From hotbeds, 15c per doz.; 50c per 100; \$3.00 per 1000

Late Flat Dutch **Savoy**
(Ready May 15)
15c per doz.; 50c per 100; \$3.00 per 1000
If Cabbage plants are wanted by mail, add 5c per doz.; 10c per 100; 25c per 1000

"Frost-Proof" Cabbage Plants

(Ready February to May)

Early Jersey Wakefield **Early Flat Dutch**
Charleston Wakefield **Copenhagen Market**
Succession **Golden Acre**
Large Late

"Frost-Proof" Onion Plants

Be sure to order some when ordering "Frost-proof" Cabbage Plants, as they should be planted at the same time.

Yellow Bermuda **Crystal Wax** **Sweet Valencia**

PRICES OF "FROST-PROOF" CABBAGE and ONION PLANTS

By Parcel Post, postpaid, 50c per 100; \$1.25 for 500; \$2.25 per 1000.

By Express—Express charges collect: 1000 to 4000 plants, \$1.50 per 1000; 5000 to 9000 plants, \$1.25 per 1000; 10,000 plants and over, \$1.00 per 1000.

We will gladly mix an order of part Cabbage and part Onion plants to suit customer

Cauliflower Plants

(Ready April 15)

Snowball Variety Only. From hotbeds. 25c per doz.; \$1.50 per 100. If wanted by mail, add 5c per doz.; 10c per 100.

Celery Plants

(Ready in July)

Golden Heart **Giant Pascal** **Winter Queen**
White Plume **Golden Self-blanching**
25c per doz.; 75 cts. per 100; \$6.00 per 1000. If wanted by mail, add 5c. per doz.; 10c. per 100

CELERY BLEACHERS. See page 24.

Eggplants (Potted)

(Ready after May 1)

M.-S. Ebony King

Black Beauty

7c each; 75c per doz.; \$5.50 per 100. Best sent by Express. If wanted by mail, add 2c to each plant

Horseradish Roots

(Ready in March)

Maliner Kren (Bohemian). Large, strong cuttings. 25c per doz.; \$1.25 per 100; \$9.00 per 1000. If wanted by mail, add 5c per doz.; 10c per 100.

Lettuce Plants

(Ready April 15)

Belvedere

Big Boston

Iceberg

10c per doz.; 50c per 100; \$4.00 per 1000. If wanted by mail, add 5c per doz.; 10c per 100

Pepper Plants

(Ready in May)

Large Sweet. Hotbed grown, 25c per doz.; \$1.50 per 100. If wanted by mail, add 5c per doz.; 10c per 100. Potted plants, 6c each; 60c per doz.; \$4.50 per 100. If wanted by mail, add 1c to each plant.
Long Red Cayenne. (Hot.) Hotbed grown, 25c per doz.; \$1.50 per 100. If wanted by mail, add 5c per doz.; 10c per 100.

Rhubarb Roots

(Ready October 15 and March 1)

Victoria. First-size roots. 10c each; \$1.00 per doz.; \$7.50 per 100. If wanted by mail, add 5c to each; 20c per doz.

Sweet Potato Plants

(Ready May 15)

Yellow Big-Stem

Up Rivers

50c per 100; \$3.00 per 1000. If wanted by mail, add 8c per 100; 25c per 1000

Tomato Plants

(Ready after April 15)

POT-GROWN PLANTS. (In the following varieties only)—

Early Wonder

Bonny Best

Chalk's Jewel

7c each; 75c per doz.; \$5.50 per 100. If wanted by mail, add 1c per plant

HOTBED PLANTS—

Bonny Best

Marglobe

Big Chief

20c per doz.; 60c per 100; \$4.00 per 1000. If wanted by mail, add 5c per doz.; 15c per 100; 40c per 1000

Germaco Hotkaps



These can make you extra dollars this season. They protect plants from frost, wind, rain, insects, and ground-crusting. Thus they produce harder, quicker crops. You get higher prices!

1000-lots \$10.25, postpaid \$10.61; 5000-lots at \$10.15 per 1000; 10,000-lots at \$10.05 per 1000.

250 Trial Package, including Setter and Tamper, \$3.85, postpaid \$4.02. Steel Hotkap Setter and Tamper, \$1.50, postpaid \$1.75.

If you need Hotkaps for your backyard garden, note these prices: 100, with Garden Setter \$2.65, postpaid \$2.80.

Garden Setter alone 50c, postpaid 60c. Home Garden Package, 25 Hotkaps and Setter, 50c, postpaid 60c.

M.-S. Reliable Grass, Forage and Farm Seeds

If Grasses are wanted by Parcel Post, allow for postage. Prices on Grasses subject to market changes.
Write for samples and prices in larger quantities



M.-S. Permanent Pasture Mixture makes a nutritious food for cattle

M.-S. Permanent Pasture Mixture. Either for low or upland. It is made up of grasses best calculated to afford an abundant and nutritious food supply for stock. The formulas are based upon successful experience. For all ordinary permanent pasturage, they will be found entirely satisfactory. When ordering state if for low or upland. Either: 10 lbs. \$2.25; bus. (30 lbs.) \$6.00.

Evergreen Lawn Grass. Composed of grasses and clover which make a quick, lasting lawn. Lb. 25c; 5 lbs. \$1.20; 10 lbs. \$2.25; bus. (30 lbs.) \$6.50.

M.-S. Pleasure Ground Mixture. This special mixture is made from our own formula, and will produce a permanent turf that will stand the hardest wear. Lb. 30c; 3 lbs. 85c; 5 lbs. \$1.30; 10 lbs. \$2.50; bus. (30 lbs.) \$7.00.

M.-S. Fairway Mixture. A mixture of grasses for fairways is to be preferred to any one grass and our fairway mixture will give splendid satisfaction wherever used. Lb. 30c; 3 lbs. 85c; 5 lbs. \$1.30; 10 lbs. \$2.50; 30 lbs. \$7.00.

OTHER LAWN GRASS MIXTURES. Listed on second cover page.

Poa trivialis. Shade Grass. For shady situations in parks and densely shaded lawns, this grass has no superior. It produces a firm and attractive turf where few other grasses can exist. A fine grass for dry ground under bay-windows, overlapping roofs, and shady side yards. Lb. 50c; 5 lbs. \$2.25.

Creeping Bent Grass. Especially adapted for putting-greens and wherever a velvet-like lawn is wanted. Lb. 75c.

Italian Rye Grass. The ideal grass to sow in the fall on crab-grass-infested lawns; it will quickly make them green. Lb. 20c; 5 lbs. 75c.

Blue Grass, Fancy Kentucky (*Poa pratensis*). Our stock of this is extra fine, thoroughly re-cleaned. Sow 3 to 5 bushels per acre on lawn; 2½ to 3 bushels on pasture fields. 14 lbs. to bus. Lb. 25c.

Timothy (*Pbleum pratense*). Sow ½ bushel per acre alone; with clover, 1 peck. 45 lbs. to bus. Lb. 10c.

Crested Dogtail (*Cynosurus cristatus*). Excellent as a pasture and lawn grass. Sow 3½ to 4 bushels per acre. 21 lbs. to bus. Lb. 50c.

English, or Perennial Rye Grass (*Lolium perenne*). This makes the quickest returns in growth of any grass, is deep rooted, and is readily established. Sow 2½ bushels per acre. 20 lbs. to bus. Lb. 15c.

Hard Fescue (*Festuca duriuscula*). A splendid grass for golf links, tennis courts, etc.; will resist droughts. Sow 3 bushels per acre. 12 lbs. to bus. Lb. 50c.

Red-Top Fancy Re-cleaned (*Agrostis vulgaris*). This is one of the best grasses for sowing for immediate effect. Our stock is free from chaff and is absolutely pure. Sow 40 pounds per acre. 32 lbs. to bus. Lb. 25c.

Chewing's Fescue. Recommended for sandy soil. Lb. 75c.

Meadow Fescue (*Festuca pratensis*). Sow 40 to 50 pounds per acre. 22 lbs. to bus. Lb. 25c.

Red, or Creeping Fescue (*Festuca rubra*). Very valuable for sowing on sandy soil and in shaded places and putting-greens, tennis courts, etc. Lb. 75c.

Orchard Grass (*Dactylis glomerata*). For early pasturing this is very desirable; also fine for sowing in shaded places. Sow 40 pounds per acre. 14 lbs. to bus. Lb. 25c.

Broom Corn (*Sorghum vulgare*). Succeeds in a good, deep soil, fresh but not damp; very sensitive to cold. Long brush evergreen, which is made into brooms. 50 lbs. to bus. Lb. 20c.

Kaffir Corn. Of great drought-resisting quality. Can be sown as late as July. 10 lbs. to the acre in drills. 56 lbs. to bus. Lb. 10c.

Cowpeas (*Vigna Catjang*). Valuable in this latitude as a fodder plant. Their chief value, however, is as a green crop to plow under. The seed should not be sown till the ground has become warm. Sow 2 bushels per acre broadcast, 1 bushel in drills. We offer Black Whippoorwill, Gray, New Era, Black Eye and other leading varieties, also Mixed. Lb. 10c. Bushel price on request.

Soja Bean (*Glycine hispida*). Mammoth Yellow, Brown and Black, Pekin, Sable and Wilson Blacks. All thrive well in our climate. Valuable for the South. Do not make good hay, but good for ensilage or green fodder. Sow 1½ bushels per acre alone or ½ bushel Soja Beans with 1 bushel Cowpeas. Yields as high as 20 tons of green feed per acre. Lb. 10c. Quantity price on application.

Sudan Grass. A tall annual grass, growing 6 to 8 feet high when drilled, but when sown broadcast thickly does not grow quite so tall. Every farmer and stock-raiser should learn about this wonderful grass, as it is eaten by all kinds of stock and will produce more hay to the acre than any other grass that has ever been introduced. Allows three to four cuttings, and produces 2 to 5 tons per acre, depending on the soil. Can either be drilled at the rate of 2 to 3 pounds per acre in 3-foot rows or broadcast at the rate of 10 to 20 pounds per acre. Plant from March to August. Lb. 10c.

Peas, Canadian Field. Valuable for cattle-feeding, especially for milch cows. It also makes fine ensilage. It is sown broadcast in the spring and harrowed in. If sown with oats, use about 1½ bushels per acre; in drills, 2 bushels per acre. 60 lbs. to bus. Lb. 10c.

Golden Millet (*Panicum miliaceum* var.). An improved variety, medium early, growing 3 to 5 feet high. Heads are closely condensed, though the spikes are very numerous. Sow 40 to 50 pounds broadcast to the acre. 50 lbs. to bus. Lb. 10c.

Japanese Buckwheat. In the locality of Baltimore this is sown anywhere from June 1 to July 15; 1 bushel (48 lbs.) broadcast to the acre. Qt. 15c; pk. 75c.

Sorghum · Sugar-Cane

Ideal cattle food. Sow 1 to 2 bushels, broadcast, 25 pounds to the acre in drills. 50 lbs. to bus.

Early Amber. Grows 10 to 13 feet high. Fine for cows, either green or cured. Lb. 10c.

Early Orange. Ripens about 10 days after Early Amber, and is said to produce a larger crop. Lb. 10c.

Sunflower, Large Russian. Lb. 15c.

Vetch, Spring or Winter

Sand, Winter, or Hairy Vetch (*Vicia villosa*). Thrives on poor arid, sandy soils. It may be sown either in fall or in spring, mixed with rye, for a support. Grows 3 to 4 feet high and can be cut as soon as the bloom appears and again for the seed. Perfectly hardy. Sow 50 pounds to the acre. Price variable. Lb. 15c.

Spring Vetch. Same as above, but not hardy; sow in spring only. Lb. 10c.

Rape

Dwarf Essex, English (*Brassica Napus*). Is excellent for sheep and hog pasture, and chicken-yards, also for soiling. It may be sown in May and will be ready for pasturing in July and August. Or it may be sown in June or July and yet furnish a large amount of pasture or fodder. In drills, sow 5 pounds to the acre; sown broadcast, 10 pounds to the acre. Lb. 12c; 10 lbs. \$1.00.



Dwarf Essex Rape

Inoculate all Clovers, Cowpeas, Vetch and Soja Beans with LEGUME AID. For particulars see page 39

Inoculation of Legumes Insures Success



Alfalfa, or Lucerne

Clover Seeds

Write for samples and prices in larger quantities.
Prices subject to market fluctuation.

Alfalfa or Lucerne (*Medicago sativa*). Requires deep, rich, well-drained soil. Roots very deeply, the tap-root descending often to a depth of 10 to 15 feet in loose soil. It is, consequently, capable of resisting great droughts. Should be sown alone (about the same time as oats are sown in this section) in thoroughly prepared, deeply plowed soil, at the rate of 20 to 25 pounds to the acre. It is also successfully sown as late as August and up to the middle of September. The crop should be cut when the plant is coming into bloom. In suitable soil it is perennial and several crops may be cut every year. Height 1 to 3 feet. We handle home- as well as foreign-grown Alfalfa. Lb. 35c.

Grimm Alfalfa. (Certified.) Lb. 45c.

Alsike, or Hybrid Clover (*Trifolium hybridum*). A perennial, 1 to 3 feet high. Grows well in our locality and can withstand severe cold. A good honey-plant for bees. Sow 15 pounds to the acre. Lb. 25c.

Japan Clover or Lespedeza. The original Lespedeza. Sow 20 pounds to the acre on your poor land to bring it into condition to produce profitable crops. Once started it smotheres broom-sedge and other undesirable growths. Ten pounds Japan Clover and 8 pounds Herd's Grass will give a hay crop that may be grazed till frost. **Korean**, lb. 10c **Kobe**, lb. 20c.

Lespedeza sericea. The perennial Lespedeza, the South's foremost legume, boasting of heavy yields on poor, acid soils. Large returns in seed and forage. Great improvement to soils. Resistant to droughts. Lb. 25c.

Red Clover (*Trifolium pratense*). One of the most valuable farm crops for pasture, hay, or for turning under for green manure. It requires a deep, rich soil and yields two hay-crops in the season. Sow at the rate of 15 pounds to the acre. Lb. 30c.

Mammoth Red or Sapling Clover. Grows larger and lasts longer than the common Red Clover. Valuable for plowing under. Sow 10 pounds to the acre. Lb. 35c.

Crimson or German Clover (*Trifolium incarnatum*). Erect annual, 1 to 2 feet high, with bright scarlet flowers. It is largely grown for improving the soil by turning under. A valuable crop for pasturage or green manure. For hay it should be cut when in full bloom. Sow 20 pounds to the acre. Lb. 15c.

White or Dutch Clover. For lawns and pastures. Lb. 60c.

White Sweet Clover (*Melilotus alba* Bokhara). Valuable sort for soiling and for ensilage and bees. Grows from 3 to 5 feet high. Sown in rich soil, may be cut three times. Lasts for years if cut before flowering. Lb. 15c.

Leading Varieties of

SEED OATS, RYE, WHEAT, BARLEY, ETC.

Prices and samples furnished on application

Due to constant market fluctuations, we cannot quote any kind of Clover, Soy Beans, Cowpeas and Grass Seeds in quantities. Prices on application.



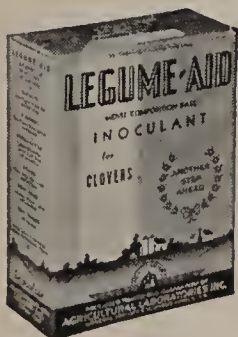
Red Clover

LEGUME-AID INOCULATION

The Best Inoculation for All Legume Seeds. Means Better Crops, Better Soils, Less Fertilizer Expense

For ALFALFA, CLOVER, BEANS, PEAS, VETCH, Etc.

LEGUME-AID is a culture of bacteria especially selected and bred for maximum vitality and ability to form nodules and take nitrogen from the air. **LEGUME-AID** contains many millions of active, hardy legume bacteria, guaranteed to work.



Seeds of all legumes—Clovers, Alfalfa, Sweet Clover, Soy Beans, Lespedeza, Vetches, etc. will yield far better returns if inoculated with **LEGUME-AID** before planting, and in addition leave in the soil heavy deposits of valuable nitrogen, which benefits all succeeding crops. **LEGUME-AID** is crop-insurance at very low cost and the results will repay the small effort involved beyond your expectations. **LEGUME-AID** is so easy to apply. It may be used without water and it does not clog up your seed-drill.

All Prices Postpaid

Alfalfa, Clovers and Lespedeza

1 1/4 bus.	\$0 20
1 1/2 bus.	30
1 bus.	50
2 1/2 bus.	1 00

Soy Beans, Cowpeas, Garden Peas, Beans

1/2 bus.	\$0 20
1 bus.	30
2 bus.	50
5 bus.	1 00

Austrian Winter Peas and All Vetches

1/2 bus.	\$0 20
1 bus.	30
1 1/2 bus.	50
5 bus.	1 00

Soy Beans Only

10 bus.	\$1 60
20 bus.	2 40

Special Garden-Size Packet for Garden Peas, Beans, Sweet Peas, and Lupins, 10c.

Be sure to specify quantity and variety of seeds you wish to inoculate

INSECT, FUNGUS AND WEED DESTROYERS

Where postpaid prices are not given, add 10c per pound and 1c for each additional pound. All prices subject to change



CLEAN—EASY QUICK—SURE

A jelly bait, superior to syrups and powders. Now available in safety traps, 10c each, postpaid 15c; 25c for 3, postpaid 30c; large-size trap 25c, postpaid 30c; garden size 35c,

postpaid 40c; estate size 85c, postpaid 95c; 8-oz. size \$1.75, postpaid \$1.85; 5-lb. can \$9.50, postpaid \$9.65.

ANSUL DUST. Lb. 75c, postpaid.

ANT GAS. A liquid—kills ants quickly; also effective against ground moles. ½ pt. 50c, postpaid 60c; pt. 85c, postpaid 95c.

ANTI-ANT. Rids houses, lawns or gardens of ants. Harmless to man or beast. 4 ozs. 40c, postpaid 45c; ½ lb. 65c, postpaid 73c.

ANTROL. Ants destroyed in their nests. Safe, permanent, effective.

Antrol Sets. Containing 4 containers and 1 4-oz. bottle of syrup, 75c, postpaid 85c.

Antrol Extra Containers. 10c each.

Antrol Syrup. 4-oz. bottle 35c, postpaid 40c; pt. 85c, postpaid 90c.

Ready-filled Antrol Set. Consisting of 4 ready-filled feeders, 40c, postpaid 50c.

Antrol Traps. 15c, postpaid 17c.



Arnold Insecticide Cartridges for use with the Arnold Garden Hose Sprayer are compounded of ingredients having positive effectiveness in controlling insects and diseases under the most adverse conditions. All Arnold Cartridges will fit similar types of Sprayers.

Colloidal Sulphur. For control of mildew, rust, black-spot, and scale. Repels red spiders, ants, and other parasites.

Pyrethrum-Rotenone. For control of aphids, thrip, ants, cutworms, and other chewing and sucking insects.

Nicotine. For control of aphids, thrip, red spider, mites, mealy bugs, lice, and soft scale.

Arsenate of Lead. For control of brown-tail moth, gypsy moth, leaf beetle, green-apple bug, apple scab, asparagus beetle.

Bordeaux Mixture. For the control of blight, leaf-spot.

Fertilizer Cartridges. Scientifically balanced chemical plant-food to keep plants well nourished and more resistant to disease. Also used with the Sub-Surface Feeder and Irrigator. See page 50.

Any of above Cartridges, 35c each;
\$2.00 for 6

ARNOLD SPRAYER. See page 50.

ARSENATE OF LEAD. Most effective for chewing insects. Lb. 30c; 4 lbs. 70c; 48 lbs. \$7.68. Postage extra.

ARSENATE OF LEAD (Oleate Coated). See Japtox, on this page—far superior.

ARSENATE OF ZINC. Lb. 35c; 4 lbs. 75c. Postage extra.

BLACK-LEAF 40. 1-oz. bottle 35c, postpaid 40c; 5 ozs. \$1.00, postpaid \$1.10; lb. \$2.25, postpaid \$2.35; 2 lbs. \$3.25, postpaid \$3.37; 5 lbs. \$5.85, postpaid \$6.00; 10 lbs. \$10.60, postpaid \$10.75.

BETTER BAIT (Dry and Liquid). Especially processed to bring out the full aroma, and keep this aroma strong over a long period of time. Extensively used to trap Japanese beetles. **Dry.** ¼-pt. can (for Type 0 trap) 25c, postpaid 30c; ½-pt. can (for Type 4 trap) 50c, postpaid 60c. **Liquid.** 1-oz. can 25c, postpaid 30c. For Traps, see page 46.

BLUE STONE (Powdered). Lb. 20c; 5 lbs. 75c; 10 lbs. \$1.25; 50 lbs. \$5.00; 100 lbs. \$9.00. Postage extra.

BORDEAUX ARSENATE. Kills chewing insects and controls fungous diseases. Lb. 30c; 4 lbs. 85c; 48 lbs. \$9.60. Postage extra.

BORDEAUX MIXTURE. For controlling fungous diseases. Lb. 30c; 4 lbs. 70c; 48 lbs. \$7.68. Postage extra.

BORER-KIL. Kills borers in their burrows. Trial size with Injector 60c, postpaid 65c; 4-lb. can \$8.00, postpaid \$8.15.

CALCIDE. For potato bugs, bean beetle and other chewing insects. Lb. 25c; 4 lbs. 50c; 48 lbs. \$5.28. Postage extra.

CALCIUM CHLORIDE. Used dry for destroying weeds, to allay dust in roadways and driveways; also a splendid ice-destroyer. 5 lbs. 30c; 10 lbs. 50c; 100 lbs. \$2.75.

CARBON DISULPHIDE. For weevil and other grain insects. 1-lb. can 60c; 5-lb. can \$2.25. Not mailable.

CATALIZER. Takes the place of casein spreaders. This is a new form of sulphur which acts as a spreader, sticker, and piece-maker. It should be used whenever arsenate of lead is combined with Sulfocide or Lime-Sulphur. 2 lbs. 45c, postpaid 56c; 50-lb. bag \$9.00, postpaid \$9.58.

CERESAN (New Improved). Dust disinfectant to control certain diseases carried on grain seed and narcissus. Lb. 70c; 5 lbs. \$3.00. Postage extra.

COPPER LIME DUST (20-20-60 Mixture). For destroying bean beetle. Lb. 15c; 5 lbs. 50c; 100 lbs. \$7.00. Postage extra.

C. P. O.-INSECTICIDE-SOAP. Spreader for control of many insects on evergreens, fruits and vegetables. Pt. 65c, postpaid 75c; qt. \$1.00, postpaid \$1.12; gal. \$2.50, postpaid \$2.68.

CROTOX. Insures seed corn against attacks of crows and other pests. Small can, insures 1 bus., 60c, postpaid 68c. Large can, insures 2 bus., \$1.00, postpaid \$1.10.

CUPROCID. Protect your seed against "damping-off" with Cuprocid—the red copper oxide. 4-oz. pkg. 35c, postpaid 40c; 1-lb. can 90c, postpaid \$1.00; 5 lbs. \$4.00, postpaid extra.

CYANOGEN "A." A dust for outside use in killing rats, moles, woodchucks, gophers, ground squirrels, and certain insects. ¼ lb. 30c; ½ lb. 45c; lb. 75c; 5 lbs. \$3.00. Postage extra.

CYANOGEN "G" FUMIGANT. 5 lbs. \$3.00. Postage extra.

DERRIS POWDER. Rotenone, 4 per cent. Controls Japanese beetle and other insects when used in combination with H. P. C. Sticker. Sticker can also be used with other poisons and fungicides. Derris Powder. Lb. \$1.00, postpaid \$1.10. H. P. C. Sticker. Pt. 50c, postpaid 60c.

DOG SKAT SPRAY. Dogs stay away when sprayed on foliage. 3-oz. bottle 35c, pp. 40c.

DOG SKAT. To be attached to evergreens and shrubs. Positively keeps dogs away. Small tube 15c, postpaid 20c; large tube 30c, postpaid 35c.

DOGZOFF—Dog Repellent. Protects shrubs, ornamentals, evergreens, etc. 3-oz. bottle (treats 50 trees) 60c, postpaid 70c; pt. can \$2.50, postpaid \$2.60; qt. can \$4.00, postpaid \$4.12.

D-X. A powerful non-poisonous spray for both sucking and chewing insects. 1½-oz. bottle 35c, postpaid 40c; ½-pt. can \$1.00, postpaid \$1.10; 1-qt. can \$2.75, postpaid \$2.87; 1-gal. can \$7.50, postpaid \$7.75.

EVER GREEN. New. Kills both sucking and chewing insects. Non-poisonous. 1-oz. bottle 35c, postpaid 40c; 6-oz. bottle \$1.00, postpaid \$1.08; 16-oz. bottle \$2.15, postpaid \$2.25; 1-gal. tin \$12.20, postpaid \$12.40.

FISH-OIL SOAP. Lb. 35c, postpaid 42c; 5 lbs. \$1.25, postpaid \$1.38.

FORMALDEHYDE. For potato scab and mold. Pt. 50c; qt. 90c; gal. \$3.00. Not mailable.

FUMETOBAC (For burning). A high nicotine-content powder for fumigating greenhouses. 25 lbs. \$4.50; 50 lbs. \$8.00; 100 lbs. \$15.00. Postage extra.

FUNGITROGEN. Conquers mildew and black-spot. Endorsed by leading rosarians. ½ pt. 75c, postpaid 83c; pt. \$1.25, postpaid \$1.35; qt. \$2.00, postpaid \$2.12; gal. \$6.00, postpaid \$6.18.

GRAPE DUST. For mildew and blight. 5 lbs. \$1.25, postpaid \$1.40.

GRASSELLI SPREADER. A combined spreading, sticking, and wetting agent designed especially for use with agricultural sprays. Widely approved by growers and commercial sprayers. Pt. 75c, postpaid 85c; gal. \$4.75, postpaid \$4.95.

HELLEBORE. ¼ lb. 25c; ½ lb. 40c; lb. 70c; 5 lbs. \$3.00. Postage extra.

JAPTOX. When sprayed on foliage, will control Japanese beetles. Sticks longer to foliage than other material. Lb. 50c, postpaid 60c; 2 lbs. 85c, postpaid 96c; 8-lb. cans \$3.00, postpaid \$3.17.

KAYLOX. An insecticide and fungicide very effective against all leaf-eating insects. ½ lb. 25c; lb. 45c; 5 lbs. \$2.10; 10 lbs. \$3.75. Postage extra.

LEMON-OIL INSECTICIDE. ½ pt. 30c, postpaid 38c; pt. 50c, postpaid 60c; qt. 85c, postpaid 96c; ½ gal. \$1.50, postpaid \$1.63; gal. \$2.50, postpaid \$2.68.

LETHANE 440 is a complete all-round contact spray. It is unusually effective against practically all sucking insects and their eggs. 1-gal. can \$7.00, postpaid \$7.18.

LETHANE SPREADER. Qt. 75c, postpaid 85c; gal. \$1.80, postpaid \$2.00.

LIME-SULPHUR (Liquid). For scale insects on trees and shrubs and such fungous diseases as can be treated in winter or early spring. Qt. 40c; gal. 75c; 5 gals. \$2.50; 30 gals. \$5.50; 50 gals. \$7.50. Not mailable.

LIME-SULPHUR (Dry Powder Form). Lb. 30c; 12½ lbs. \$1.50; 100 lbs. \$11.00. Not mailable.

LORO. A synthetic contact insecticide—for use only as directed. Kills red spider, mealy bug, thrips, midge, white fly and aphids. Pt. \$2.00, postpaid \$2.10; gal. \$10.50, postpaid \$10.68.

MAGNESIUM ARSENATE. Extensively used to control the Mexican bean beetle. 2 lbs. 60c. Postage extra.

MOLO. A preparation that will clear your lawn of moles and field-mice in a few nights. Pkt. 25c, postpaid 30c.

MOLOGEN. Eliminates moles in short time. ½ lb. 50c, postpaid 58c; 1½ lbs. \$1.25, postpaid \$1.35; 5 lbs. \$4.00, postpaid \$4.15.

MOLE-NOTS. Protects lawns, gardens, flower-beds and golf courses from the ravages of moles, gophers, and field-mice. A 25c package will treat about 40 feet of runs. Price 25c, postpaid 30c; estate size \$1.00, postpaid \$1.10.

Test Your Soil with a Sudbury Kit

NICO-FUME (Liquid). Lb. \$2.25; 4 lbs. \$5.75; 8 lbs. \$10.00. Postage extra.

NICO-FUME TOBACCO PAPER. Box of 24 sheets \$1.25, postpaid \$1.32; 144 sheets \$4.50, postpaid \$4.62; 288 sheets \$8.00, postpaid \$8.17.

NICO-FUME PRESSURE FUMIGATORS. ½ lb. 45c; lb. 75c; 12 ½-lb. cans \$4.20; 12 1-lb. cans \$7.00. Postage extra.

NICO-FUME POWDER. For fumigating greenhouses. 1-lb. can \$1.00, postpaid \$1.10; 5 lbs. \$3.35, postpaid \$3.50; 10 lbs. \$5.85, postpaid \$6.04.

NU-GREEN. A general fungicide for golf-greens, lawns, and other turf. 3 ozs. 35c, postpaid 40c; lb. \$1.45, postpaid \$1.55.

PARA-DICHLOROBENZENE or CRYSTAL GAS. Controls peach borers. Use 1 ounce to each tree. Lb. 40c; 5 lbs. \$1.50; 25 lbs. \$6.25; 50 lbs. \$12.00. Postage extra.

PARIS GREEN. ¼ lb. 18c; lb. 50c; 2 lbs. \$1.00; 5 lbs. \$2.25; 14-lb. kits \$5.00. Postage extra. Prices subject to change.

PESTROY. Kills chewing insects. Lb. 35c, postpaid 45c.

POMO-DUST. Prevents and cures mildew and black-spot on Roses. Lb. 25c; 5 lbs. \$1.00; 10 lbs. \$1.75; 100 lbs. \$8.00. Postage extra.

POMO-GREEN. Like the above, but colored green to harmonize with the color of plants. Lb. 50c; 5 lbs. \$1.75. Postage extra.

POMO-GREEN WITH NICOTINE. Like above, but also kills sucking insects. Lb. 75c; 5 lbs. \$3.00. Postage extra.

PYROX. Kills all leaf-eating insects, and for blight and all fungous troubles. 25 lbs. \$5.00, postpaid \$5.35; 50 lbs. \$7.25; 100 lbs. \$12.50; 300 lbs. \$30.00. Smaller sizes discontinued, see next item.

PYROX WITH NICOTINE. Like the above but also kills sucking insects. 17.6-oz. jar 49c, postpaid 61c; 5 lbs. \$1.75, postpaid \$1.90; 25 lbs. \$5.65, postpaid \$6.00.

RED ARROW INSECT SPRAY. A highly concentrated pyrethrum extract containing soap. Non-poisonous. Will not injure foliage. Oz. 35c; 4 ozs. \$1.00; pt. \$2.85. Growers, qt. \$3.60; gal. \$10.70. Postage extra.

RODOPELL. Protects bulb plantings against ravages of rats, mice, moles and other destructive rodents. 2-gal. size (sufficient for 100 bulbs) \$2.00, postpaid \$2.13; 5-gal. size (sufficient for 250 bulbs) \$3.75, postpaid \$3.93. Descriptive circular on request.

ROPKO FISH-OIL SOAP (Semi-liquid). Perfect spreader for insecticides. Gal. \$1.50, postpaid \$1.75.

ROSE-AID. Controls black-spot and mildew. 1-lb. pkg. 35c, postpaid 45c.

ROTECIDE SPRAY. Contact and stomach poison. Will not burn or in any way affect the most delicate foliage. Oz. 35c, postpaid 40c; ½ pt. \$1.00, postpaid \$1.10; pt. \$1.75, postpaid \$1.85; qt. \$3.00, postpaid \$3.12; gal. \$8.00, postpaid \$8.25.

ROTENONE DUST. Especially recommended for Mexican bean beetle, but very effective against most insects that infest the garden. Lb. 35c, postpaid 45c; 5 lbs. 75c, postpaid 88c; 50 lbs. \$7.50.

SCALECIDE. Used for the destruction of San José scale. Spray during the winter or early spring when the trees are dormant. Qt. 65c, postpaid 75c; gal. \$1.55, postpaid \$1.80; 5 gals. \$5.50; 10 gals. \$9.50; 15 gals. \$13.25; 30 gals. \$21.00; 50 gals. \$29.00. Refund on return of 15-, 30-, 50-gal. drums.

SELOCIDE. Positively kills red spider. Gal. \$3.50, postpaid \$3.75.

SEMESAN. Prevents and controls fungous diseases, damping-off, etc. Produces sturdier plants. ¼ oz. 15c; 2 ozs. 35c; lb. \$2.25; 5 lbs. \$9.90; 25 lbs. \$45.50; 100 lbs. \$180.00. Postage extra.

SEMESAN BEL (New Improved). Dip disinfectant to control scab and rhizoctonia carried on white seed potatoes. One pound disinfects 60 to 80 bushels. 4 ozs. 45c; lb. \$1.50; 5 lbs. \$6.75; 25 lbs. \$31.00; 100 lbs. \$122.00. Postage extra.

SEMESAN JR. (New Improved). For controlling certain root-rotts carried by field and sweet corn; also to prevent rotting in early planting. 2 ozs. 15c; 4 ozs. 30c; lb. 75c; 5 lbs. \$3.25; 25 lbs. \$14.00; 100 lbs. \$55.00. Postage extra.

SLUG-SHOT (Powder). One of the oldest powders for destroying chewing insects. Lb. 25c, postpaid 33c; 5 lbs. \$1.00, postpaid \$1.13; 25 lbs. \$3.00, postpaid \$3.45.

SLUG-SHOT (Liquid). Liquid Slug-Shot combines rotenone and pyrethrum in the proper proportions with a spreader and a very effective fungicide. Simply dilute with water and spray. Non-poisonous to animal life, safe, and easy to use. Oz. 35c; 6 ozs. \$1.00; 16 ozs. \$2.25; qt. \$4.00; gal. \$12.00, postpaid.

SNAROL. With metaldehyde as an attractant. Quickly kills snails, cutworms, slugs, etc. 1½-lb. pkg. 35c; 4-lb. pkg. 85c; 15-lb. pkg. \$3.00; 50-lb. bags \$8.00. Postage extra.

SULFOCIDE. An efficient summer spray for the control of scab and black-rot on fruit trees. Excellent for mildew on other plants. Pt. 50c, postpaid 60c; qt. 85c, postpaid 95c; gal. \$2.25, postpaid \$2.50; 5 gals. \$7.50.

SULPHUR DUST (85-15). Contains 15 per cent arsenate of lead, 85 per cent flowers of sulphur. For dusting strawberry, cantaloupe and other vine plants. 100 lbs. \$6.50.

SULPHUR (Flowers). Lb. 12c, postpaid 19c; 5 lbs. 50c, postpaid 62c; 10 lbs. 90c, postpaid \$1.07; 25 lbs. \$2.00, postpaid \$2.35.

SUNOCO SPRAY OIL. Self-emulsifying in any water. Will not freeze or deteriorate from season to season. Used for dormant spraying, delayed dormant spraying and summer spraying. Unequaled as a spreader and sticker. Gal. \$1.25, postpaid \$1.50; 5 gals. \$5.00; 15 gals. \$9.30; 30 gals. \$15.90; 50 gals. \$23.00.

TOBACCO DUST (Special Dusting or Fumigating). Lb. 10c, postpaid 18c; 3 lbs. 25c, postpaid 35c; 10 lbs. 60c, postpaid 78c; 20 lbs. \$1.00, postpaid \$1.26; 100 lbs. \$3.75.

TOBACCO STEMS. Lb. 5c, postpaid 12c; 50 lbs. \$1.75; 100 lbs. \$3.00.

TREE PAINT. Invaluable for cuts and bruises. The life of a tree depends on its care. Pt. 30c, postpaid 40c; qt. 50c, postpaid 60c; gal. \$1.50, postpaid \$1.66.

TREE TANGLEFOOT. 6 ozs. 35c, postpaid 43c; lb. 65c, postpaid 75c; 5 lbs. \$3.00, postpaid \$3.15; 10 lbs. \$5.65, postpaid \$5.85.

TRI-GEN. Triple spray treatment—fungicide, insect killer, repellent. Complete protection against plant diseases and insects. Stimulates plant growth. **Size A**, \$1.50, postpaid \$1.60. **Size B**, \$4.00, postpaid \$4.16. **Size C**, \$6.00, postpaid \$6.25. **Size D**, \$20.00.

VOLCK, NURSERY. Recommended as a contact spray to control scale insects, mealy bugs, red spiders, rust mites, white flies, and many other insects. ½ pt. 35c, postpaid 43c; qt. 75c, postpaid 85c; gal. \$2.00, postpaid \$2.18; 5 gals. \$7.50; 28 gals. \$25.00.

VOLCK, GREENHOUSE. Use on very tender plants under lath or glass. Qt. 75c, postpaid 86c; gal. \$2.00, postpaid \$2.18; 5 gals. \$7.50.

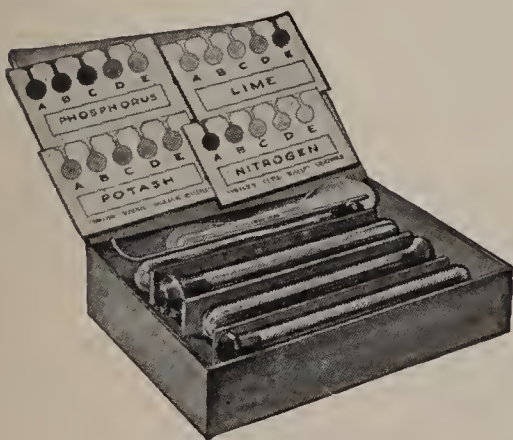
VOLCK, GARDEN. A combination spray containing nicotine, plus soap as a wetting agent. 3½-oz. can 35c, postpaid 38c; pt. \$1.00, postpaid \$1.10; qt. \$1.50, postpaid \$1.61; gal. \$4.00, postpaid \$4.18.

WEED KILLER (Hammond's). Destroys weeds and grass on roadways, paths, gutters, etc. One gallon makes 40 gallons of treating liquid. Qt. 50c, postpaid 60c; gal. \$1.50, postpaid \$1.70; 5 gals. \$6.25.

WEED KILLER (General Chemical Co.). Available in larger sizes only. 5 gals. \$5.00; 10 gals. \$9.00; bbl. lots (50 gals.) 80c per gal.

ADCO WEED KILLER (Non-poisonous). A single hour's work will accomplish more than a month's hard labor at digging out weeds. 3-lb. can \$1.00, postpaid \$1.12.

WORM ERADICATOR (Electric). Eliminates worms and worm-casts from lawns and golf greens; acts as a mild stimulant and fertilizer. Each gallon diluted with 250 gallons of water will cover 2500 square feet. Pt. \$1.00, postpaid \$1.10; gal. \$3.50, postpaid \$3.68; 5-gal. keg \$15.00.



Home Garden Kit

soil to the requirements of your plants and grasses. No technical skill required. **Model D.** Complete with instructions and table of plant needs. This Kit contains enough soil-testing solutions to make 20 individual tests. \$2.00, postpaid \$2.10.

Testing Fluid for refill. Specify whether for nitrogen, phosphorus, potash, or acidity. 2 ozs. 75c, postpaid 85c; 6 ozs. \$1.50, postpaid \$1.60.

THE SUDBURY SOIL-TEST KIT

Your best insurance of gardening success. Made by the maker of professional field-test kits used by nurserymen, growers, and greenskeepers throughout the country. Tests for nitrogen, phosphorus, potash and acidity, giving complete information for the intelligent adjustment of your

Makes instantly available the essential information you require for gardening success. You can make quick, practical tests which will show the acidity of your soil and any deficiency in nitrogen, phosphorus and potash. As a result, you can avoid failure by prompt adjustment of your soil to

the requirements of your plants and grasses. Used by leading amateur and professional growers throughout the country. The Horticultural Kit contains enough material for 60 individual tests. Complete with instructions and table of plant needs, \$9.75, postpaid \$9.90.



Horticultural Kit

FERTILIZERS AND PLANT-FOODS

All prices on Fertilizers are subject to market changes; ton prices on request. Fertilizer and Plant-Foods, postage extra. For fertilizer to be sent by Parcel Post, add 8c. for 1 pound, 10c. for 2 lbs., and 1c. for every additional lb.—as 1 lb. 8c., 10 lbs. 18c.

ACID PHOSPHATE or SOUTH CAROLINA ROCK. 16 per cent. Apply 1000 pounds per acre. Used for mixing with other fertilizers to increase the phosphoric acid content. 167-lb. bag \$1.75; 100 lbs. \$1.25.

ADCO. Don't waste garden rubbish. Turn it into manure with Adco. Adco is a powder which, mixed with almost any non-woody vegetable waste and kept wet, gradually converts it into manure. 25 lbs. of Adco makes $\frac{1}{2}$ ton of manure. 7 $\frac{1}{2}$ -lb. pkg. 85c; 25 lbs. \$2.00; 150 lbs. \$10.50.

ALUMINUM SULPHATE. For rhododendrons and azaleas. Lb. 10c; 3 lbs. 25c; 5 lbs. 40c; 100 lbs. \$4.00.

ASPARAGUS SALT. Apply in spring, 600 to 800 pounds per acre, for destroying weeds. 10 lbs. 25c; 50 lbs. \$1.00; original sack 100 lbs. \$1.50; 200 lbs. \$2.50.

BLOOD, DRIED. For indoor and outdoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. Fine for ferns. Lb. 10c; 3 lbs. 25c; 5 lbs. 40c; 10 lbs. 75c; 25 lbs. \$1.50; 50 lbs. \$2.50; 100 lbs. \$4.00.

BONEMEAL, STEAMED (2.47-50). A pure soft bone, splendid for building up worn-out soil, lawns, etc. Quick acting. Lb. 5c; 10 lbs. 45c; 25 lbs. 85c; 50 lbs. \$1.50; 100 lbs. \$2.50.

BONEMEAL, RAW (3.7-48). Will not burn. A high-class, slow-acting fertilizer. Lb. 5c; 10 lbs. 50c; 25 lbs. 90c; 50 lbs. \$1.65; 100 lbs. \$2.75; 167 lbs. \$4.00.

BONE FLOUR. Finely pulverized and bolted. Effective immediately. For rose-growing this cannot be excelled. Lb. 10c; 3 lbs. 25c; 5 lbs. 40c; 10 lbs. 75c; 25 lbs. \$1.25; 50 lbs. \$2.25; 100 lbs. \$4.00.

CHEMICALS. For soil-less plant culture. See last column.

COMMERCIAL FERTILIZERS.

(2-9-5). For potatoes and general crop. 25 lbs. 60c; 50 lbs. \$1.00; 100 lbs. \$1.75; 167-lb. bag \$2.50.

(4-8-5). All-round, high-grade fertilizer. 5 lbs. 25c; 10 lbs. 45c; 25 lbs. 75c; 50 lbs. \$1.25; 100 lbs. \$2.00; 167-lb. bag \$2.90.

(4-12-4). For grain crops. 167-lb. bag \$3.25.

(6-6-5) **Q Brand.** An all-round high-grade organic plant-food. 167 lbs. \$3.25.

CLAY'S FERTILIZER. An English chemical fertilizer. 28 lbs. \$3.75; 56 lbs. \$6.25; 112 lbs. \$12.00.

COW MANURE, SHREDDED, Wizard Brand. For garden, lawn and greenhouse, and especially good to mix with compost. 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$1.50; 100 lbs. \$2.75; 500 lbs. \$13.00; $\frac{1}{2}$ ton \$24.00; ton \$46.00.

COTTON-SEED MEAL. Very rich in potash and ammonia. Fine for rhododendrons and azaleas. Lb. 6c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$1.75; 100 lbs. \$3.00.

ESSKAY PLANT FOOD. A complete fertilizer for lawns, shrubbery, trees, flowers and vegetables; it makes things grow. 95 per cent organic; non-burning. 2 lbs. 25c; 10 lbs. 75c; 25 lbs. \$1.50; 50 lbs. \$2.35; 100 lbs. \$3.50.

F. & I. FERTILIZER and INSECTICIDE. A ground, tobacco-base fertilizer and insecticide containing fine particles for dusting. F. & I. quickly stimulates healthy growth and protects plant-life against insect pests. Lb. 5c; 100 lbs. \$2.50.

FLORANID (Urea). Like Nitrophoska but contains 46 per cent nitrogen. Used for rapid growth, richer color of foliage and brilliancy of bloom. Lb. 25c; 5 lbs. 90c; 10 lbs. \$1.50; 25 lbs. \$2.75; 100 lbs. \$9.50.

GYPNUM or LAND PLASTER. Intensifies the color of roses and other flowers as well. Used for top dressing newly plowed land prior to harrowing; also for sweetening the soil on lawns and fields. Apply 1000 to 1500 pounds per acre. 10 lbs. 30c; 25 lbs. 50c; 50 lbs. 75c; 100 lbs. \$1.25; 200 lbs. \$2.00.

HYPER-HUMUS (Leafmold). Fine for lawns, replanting and repotting. Lb. 5c; 10 lbs. 25c; 50 lbs. \$1.00; 100 lbs. \$1.50; 500 lbs. \$6.25; 1000 lbs. \$10.00; ton \$17.50.

KAINIT (Potash Salts). Fine for asparagus. Lb. 5c; 10 lbs. 45c; 25 lbs. 85c; 100 lbs. \$2.00.

LIME, HYDRATED (Powdered). Promotes growth and gives the grass a rich color. Apply 1 ton per acre on fields, or $\frac{1}{2}$ ton on lawns. 5 lbs. 20c; 10 lbs. 30c; 50 lbs. 50c; 500 lbs. \$4.25; 1000 lbs. \$8.75; ton \$16.50.

LIMESTONE (Ground). 80-lb. bag \$1.00.

LOMA. Fine for lawns, vegetable gardens, flowers, potted plants, fruit and shade trees. It is rich in nitrogen, phosphate, potash and other plant nourishment. Clean, odorless and easy to apply. Lb. 10c; 5 lbs. 45c; 10 lbs. 85c; 25 lbs. \$1.50; 50 lbs. \$2.50; 100 lbs. \$4.00.

M-S LAWN and PLANT FOOD. See inside front cover page.

MUM MANURE (Smith's). Give your plants a quick start. A perfect food for chrysanthemums and other flowers, under glass or in the garden. 5 lbs. 50c; 10 lbs. 90c; 25 lbs. \$1.50; 50 lbs. \$2.50; 100 lbs. \$4.00.

MURIATE OF POTASH. Analysis, equal to 50 per cent actual potash. Lb. 10c; 3 lbs. 25c; 5 lbs. 40c; 10 lbs. 75c; 100 lbs. \$3.50.

NITRATE OF SODA. Apply 100 to 150 pounds per acre, mixing with land plaster or other fertilizers to render application more easy. Use only after plants are above ground. If used in liquid form, dilute 2 ounces to 1 gallon of water and do not apply oftener than twice a week. Lb. 10c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 100 lbs. \$2.25.

NITROPHOSKA. New air-nitrogen fertilizer. Analysis, 15-30-15. Clean as sugar. Lb. 25c; 5 lbs. 90c; 10 lbs. \$1.50; 25 lbs. \$2.75; 50 lbs. \$4.75. Larger quantities quoted on application.

ORCHID PEAT. Pk. 40c; bus. \$1.50; bbl. sack \$3.50.



STIM-U-PLANT

PLANT STIMULANT TABLET

Unexcelled for Roses

Use it and you will have far more beautiful flowers and plants, better fruit and vegetables, and in far greater quantities. Pkt. (10 tablets) 10c; 30 tablets

25c; 100 tablets 75c; 500 tablets \$2.50; 1000 tablets \$5.50, postpaid.

PLANTABBS (Fulton's). Odorless plant-food tablets. Use them for beautiful gardens and lovely house plants. 10 tablets 10c; 30 tablets 25c; 75 tablets 50c; 200 tablets \$1.00; 1000 tablets \$3.50, postpaid.

PEAT MOSS (Granulated). The ideal mulch for most flowers, plants, shrubs, trees, lawns, etc. Absolutely odorless. Keeps weeds down to minimum, makes beds look attractive. Full-size bale contains 20 to 22 bushels when loosened. Pk. 20c; bus. 50c; $\frac{1}{2}$ bale \$1.65; bale \$2.75.

SCOTCH SOOT (Imported). This is used for bringing a good, healthy color into the foliage of chrysanthemums and other greenhouse plants. 5 lbs. 60c, postpaid 75c; 10 lbs. \$1.00, postpaid \$1.20; 100 lbs. \$5.00.

SHEEP MANURE (Wizard Brand). Apply 1000 pounds per acre. The analysis shows it to be the most perfectly balanced plant-food. For garden, lawn or greenhouse, nothing surpasses Sheep Manure. It is clean and easily handled. Gives immediate results. 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. 85c; 50 lbs. \$1.50; 100 lbs. \$2.50; 500 lbs. \$11.50; $\frac{1}{2}$ ton \$22.00; ton \$42.50.

SULPHATE OF AMMONIA. Lb. 10c; 5 lbs. 30c; 10 lbs. 50c; 100 lbs. \$2.75.

SULPHATE OF POTASH. Fine for roses. Lb. 10c; 3 lbs. 25c; 5 lbs. 40c; 10 lbs. 75c; 100 lbs. \$3.50.

SPHAGNUM MOSS. For packing plants and growing orchids. $\frac{1}{2}$ pk. 35c, postpaid 42c; pk. 50c, postpaid 59c; bus. \$1.25, postpaid \$1.37; bale (about 3 bus.) \$3.25.

QUICK-GRO. Soil-less plant culture in sand or water. A fascinating, inexpensive hobby the world over. Simple directions in each package makes it easy to grow large crops. Package enough for a 25-gallon solution. \$1.00, postpaid \$1.08.

TANK CULTURE CHEMICALS. For soil-less plant culture. Boric Acid, Magnesium Sulphate, Zinc Sulphate, Copperas, Ferric Chloride, Super Phosphate, Sodium Nitrate, Manganese Sulphate, and Potassium Chloride. Each, 10c per oz., postpaid 15c; $\frac{1}{4}$ lb. 25c, postpaid 30c.

TANKAGE. 6 per cent nitrogen. Lb. 10c; 5 lbs. 40c; 10 lbs. 60c; 25 lbs. \$1.25; 50 lbs. \$2.00; 100 lbs. \$3.50.

TEROGEN. Autumn-winter ground-dressing and soil-disinfectant, particularly good for roses. Lb. 75c; 2 lbs. \$1.25; 5 lbs. \$2.75; 10 lbs. \$4.75; 25 lbs. \$11.00.

TOBACCO STEMS. For fumigating, mulching and fertilizing. Lb. 5c; 25 lbs. \$1.00; 50 lbs. \$1.50; 100 lbs. \$2.50.

VIGORO. A scientifically balanced food ration, furnishing all plant-life with proper nourishment. 12 ozs. 10c; 5 lbs. 45c; 10 lbs. 85c; 25 lbs. \$1.50; 50 lbs. \$2.50; 100 lbs. \$4.00.

WOOD ASHES (Canadian Unleached Hardwood Ashes). High in potash. Excellent for roses, grass, etc. Apply in early spring or late fall. 1000 pounds to acre. 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 100 lbs. \$2.50.

Soil-less Chemicals. See Tank Culture Chemicals, above.

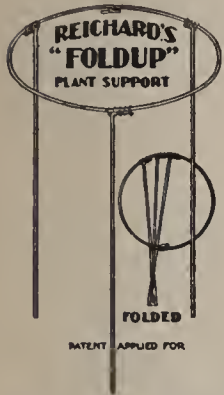
Soil-less Growth of Plants. 160 pages, 60 illustrations, 3 in color. Price, \$2.75.

SUB-SURFACE FEEDER. See page 50.

Attention. Special formulas mixed according to your specifications

Pot and Tree Labels—All Painted

Width	100	P.P. Wt.	500	1000	P.P. Wt. Per 1000
4 x 5/8-in. pot	\$0 30	1/2 lb.	\$1 15	\$2 00	3 lbs.
5 x 5/8-in. pot	35	1/2 lb.	1 25	2 20	4 lbs.
6 x 5/8-in. pot	40	3/4 lb.	1 50	2 50	5 lbs.
10 x 5/8-in. pot	75	1 lb.	2 50	4 00	10 lbs.
12 x 5/8-in. pot	90	2 lbs.	3 00	5 00	12 lbs.
8 x 7/8-in. garden	75	2 lbs.	3 00	5 00	9 lbs.
10 x 7/8-in. garden	90	2 lbs.	3 50	6 00	10 lbs.
12 x 1 1/8-in. garden	1 00	3 lbs.	4 50	8 50	12 lbs.
3 1/2-in. copper wire tree	35	1/2 lb.	1 20	2 30	4 lbs.



"Foldup" Plant Support

Made of No. 7 galvanized wire. They do not rust and may be used for many years. Unlike other Wire Supports, these fold up, as name indicates and as illustrated. 30c each, postpaid 40c; \$3.00 per doz., postpaid \$3.25.



Timesaver Plant Support

An adjustable Support, all metal parts being galvanized. Tie end is green. Can be adjusted as to height and size of loop almost instantly and is practically hidden by the foliage of the plant it supports.

No.	Doz.	Postpaid
2. 3 ft.	\$1 15	\$1 25
3A. 4 ft.	2 20	2 35
4. 5 ft.	2 75	2 95

Adjusto Plant Support

A square, sturdy hardwood stake equipped with a patented adjustable wire loop. 3-ft., \$2.10 per doz.; 4-ft., \$2.40 per doz.; 5-ft., \$2.70 per doz.; 6-ft., \$3.00 per doz. For postage, add 15c, 25c, 30c, and 40c.

Stakes without Loops. 3-ft., 90c per doz.; 4-ft., \$1.20 per doz.; 5-ft., \$1.50 per doz.; 6-ft., \$1.80 per doz. For postage, add 10c, 20c, 25c, and 35c.

Extra Wire Loops. \$1.20 per doz., postpaid \$1.30.

Wire Plant Ties

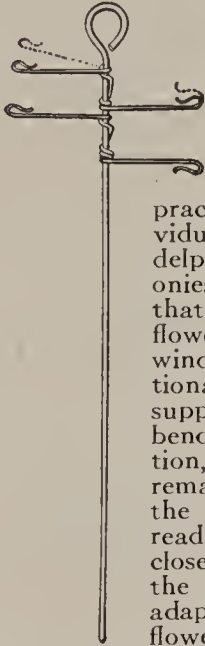


For staking potted plants, or plants on the bench—chrysanthemums, hyacinths, lilies, tulips, etc.—use the Lightning Tie with wire, wood, or bamboo stakes. Just a slight squeeze

between the fingers and the stem is definitely, though inconspicuously tied. And if you wish to be really economical, the same Tie can be used over and over again.

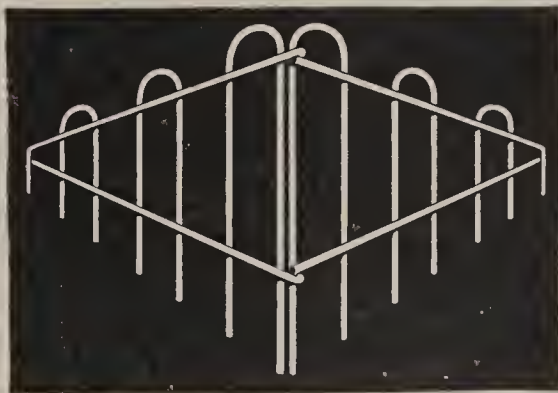
Pkg. of 1000 Ties, \$2.25, postpaid \$2.32.

Pkg. of 100 Ties, 30c, postpaid 35c.



The Bloom Support

By using the Bloom Support it becomes quite practicable to stake the individual spike of flowers, such as delphinium, chrysanthemum, peonies, lilies and similar plants, that because of the weight of the flower, especially during rainy, windy weather, require additional support. The arms of the support are most adaptable; bend or slide them to any position, in any direction and they remain put. The eye, into which the flower stem slips, opens readily to receive the stem, and closes just as easily. After all, the Bloom Support is the most adaptable, the most convenient flower stake you will ever have used. Two sizes, complete with 4 arms each: 32-in. stake, \$1.75 per doz.; 42-in. stake, \$2.00 per doz. Additional arms, \$1.50 for 50.



Ornamental Corner Guards

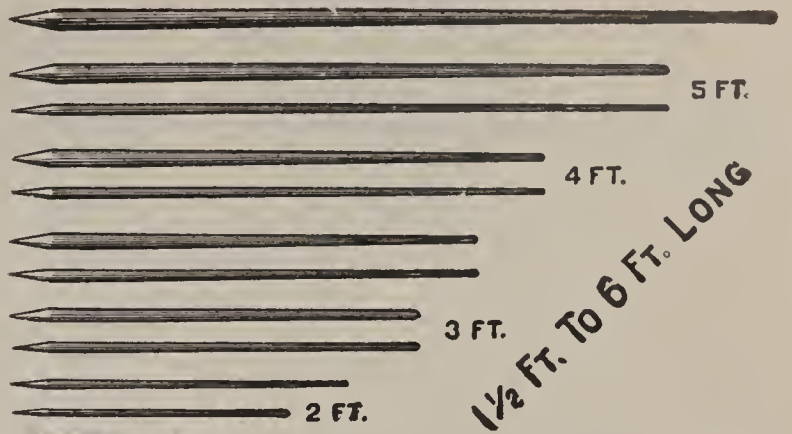
Used for protection of corners of lawn, around rock-gardens, flower-beds, and house borders. Built in halves and hooked together to form a rigid protection or support. Made of heavy wire. Aluminized weather-proof finish. No. 625. Each half 36 in. long and 30 in. high, tapering down to 12 in. \$1.00 per pair, postpaid \$1.20.

One- and Two-Eye Steel Stakes

No. 8 Galvanized Wire

Placed around a single plant, a group, or each side of a row, with twine strung tightly through the eyes, they make a strong support for plants and flowers. Wired in bundles of 100 pieces.

No.	Length	Wt. of Bundle	Doz.
8241.	24 in.	18 lbs.	\$0 35
8361.	36 in.	24 lbs.	45
8481.	48 in.	30 lbs.	60
Two-Eye Stake			
8242.	24 in.	20 lbs.	50
8362.	36 in.	26 lbs.	65
8482.	48 in.	32 lbs.	75



Green-Painted Round Plant Stakes

HEAVY

	Each	Doz.	\$100
3-ft., heavy or dahlia	\$0 12	\$1 15	\$8 60
4-ft., heavy or dahlia	15	1 55	11 40
5-ft., heavy or dahlia	20	2 25	14 60
6-ft., heavy or dahlia	25	2 50	17 90

Postage extra per doz.: 3-ft., 10c; 4-ft., 12c; 5-ft., 14c; 6-ft., 16c.

LIGHT

	Each	Doz.	\$100
1 1/2-ft., light	\$0 03	\$0 25	\$1 50
2-ft., light	04	40	2 80
2 1/2-ft., light	06	60	4 10
3-ft., light	08	75	5 40

Postage extra per doz.: 1 1/2-ft., 7c; 2-ft., 7c; 2 1/2-ft., 8c; 3-ft., 9c.

Bamboo Plant Stake

Painted	Doz.	P.P.	100	P.P.	Not P.P.
Green					
2-ft.	\$0 10	\$0 15	\$0 50	\$0 58	\$3 00
3-ft.	15	22	70	81	5 00
4-ft.	20	27	90	1 12	6 50
5-ft.	25	32	1 10	1 23	7 50
Not painted.					
6-ft.	30	38	1 25	1 42	10 00

Heavy Bamboo Tonkin

4-ft., not painted, for dahlias. 40c per doz., postpaid 50c; \$3.00 per 100, not postpaid.
5-ft., not painted, for dahlias. 50c per doz., postpaid 60c; \$4.00 per 100, not postpaid.
6-ft., not painted, for dahlias. 65c per doz., postpaid 75c; \$5.00 per 100, not postpaid.

Hyacinth Stakes

For Hyacinths, Tulips, Etc. Dyed Green.

	Doz.	100	1000
12-in.	\$0 07	\$0 35	\$2 00
18-in.	08	50	3 00

For postage, add 5c per doz., 10c per 100, 25c per 1000.

Galvanized Steel Stakes

	Doz.	Postpaid	100	Postpaid
2-ft.	\$0 25	\$0 33	\$1 25	\$1 32
3-ft.	40	48	2 00	2 20
4-ft.	50	60	2 50	2 75
5-ft.	65	75	3 00	3 30



Peerless Plant Marker

It is designed specially for home gardens and is very inconspicuous. The card-holder is hinged to the standard so that the card is covered and protected, but swings up to be read. \$1.20 per doz., postpaid \$1.30.

Eureka Stake Fasteners

25c per 100, postpaid 30c; \$2.00 per 1000, postpaid \$2.08.

Earthen-ware Flower Pots

Sent by express and freight only. Packing at cost.



	Each	Doz.	100
2 in.....	\$0 01 1/2	\$0 15	\$1 00
2 1/2 in.....	02	20	1 45
3 in.....	03	30	1 80
4 in.....	04	40	2 70
5 in.....	07	70	5 10
6 in.....	10	1 00	7 50
7 in.....	15	1 50	11 35
8 in.....	23	2 30	16 35
9 in.....	35	3 50	25 00
10 in.....	45	4 50	34 50
12 in.....	95	9 50	73 00
14 in.....	1 50		
16 in.....	3 00		

Bulb Pans

	Each	Doz.	100
4 in.....	\$0 05	\$0 45	\$3 00
5 in.....	07	75	5 25
6 in.....	12	1 25	7 75
7 in.....	18	2 00	15 00
8 in.....	30	2 75	20 00
9 in.....	40	3 75	29 00
10 in.....	55	5 50	37 50
12 in.....	1 00	11 00	82 50

Earthenware Saucers

Each	Doz.	Each	Doz.
4 in...\$0 04	\$0 40	9 in...\$0 15	\$1 50
5 in... 05	50	10 in... 20	2 00
6 in... 06	60	12 in... 35	3 50
7 in... 09	90	14 in... 45	
8 in... 10	1 00	16 in... 85	

Plantrays Unbreakable Rubber Flower-Pot Saucers

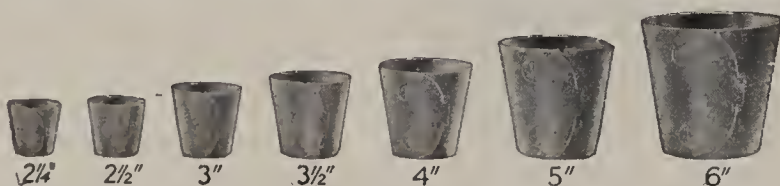
Each	Postpaid	Each	Postpaid
4 in.....\$0 15	\$0 20	\$1 50	\$1 60
6 in..... 25	30	2 50	2 60
9 in..... 40	47	4 00	4 18

With Moisture-retaining Pad.

Each	Postpaid	Each	Postpaid
5 in..\$0 20	\$0 25	10 in..\$0 65	\$0 75
8 in.. 35	40	12 in.. 90	1 00

Bird's IMPROVED NEPONSET Flower Pots

Extensively used for shipping plants, starting seeds and seedlings.



Doz.	100	1000	Doz.	100	1000	Doz.	100	1000
2 in..\$0 07	\$0 45	\$3 00	3 in..\$0 15	\$0 70	\$4 00	5 in...\$0 30	\$1 50	\$8 00
2 1/4 in.. 08	50	3 25	3 1/2 in.. 20	90	5 00	6 in... 40	2 00	10 50
2 1/2 in.. 10	60	3 35	4 in.. 25	1 15	6 00			

Neponset Green Flower Pots

Especially adapted for growing plants, these are made in the same form as the familiar Neponset Red Paper Pot, but the paper has been specially treated with a waterproofing saturation. This treatment gives the paper peculiar properties which are extremely desirable for growing young plants, and makes it possible to take advantage of the full growing period of young plants without retarding root-growth. Made in the following sizes:

	Doz.	100	1000
2 in.....	\$0 10	\$0 60	\$5 25
2 1/4 in.	10	65	5 50
2 1/2 in.	15	70	6 00
3 in.	20	85	7 00
3 1/2 in.	25	1 15	9 25
4 in.	30	1 25	10 75
5 in.	35	1 75	15 50
6 in.	40	2 50	20 00

4 in., 5 in., 6 in. (500 to case) for Parcel Post, add 25c for each 500. Dozen and 100 lots, postpaid.



Richmond Style



New York Style

New York Style Cedar Tubs

The New York Style tree tubs are made of seasoned selected Virginia white Cedar, and are trimmed with specially designed metal feet, extra heavy flat steel hoops and metal handles. These tubs are painted green.

	Top In.	Bottom In.	Depth In.	Each	Lbs.
No. 1.....	12	9 3/4	10 5/8	\$1 75	9
No. 2.....	13	10 3/4	12 3/4	2 25	13
No. 3.....	14 1/2	12 7/8	14 3/4	2 75	15
No. 3 1/2.....	16 1/2	14 1/2	15 3/4	3 50	18
No. 4.....	19 1/8	17 1/4	16 5/8	4 00	21
No. 5.....	22 1/8	20 1/4	18 1/2	4 50	26

Richmond Style Cedar Tubs

The Richmond Style is similar to the New York Style, but does not have feet or handles.

	Inside top Diam. In.	Inside bottom Diam. In.	Inside Depth In.	Each	Lbs.
No. 5.....	10	7 1/2	9	\$0 75	3
No. 7.....	12	9	11	1 00	4 1/2
No. 9.....	14	11	13	1 50	7
No. 11.....	16	12 1/2	15	2 00	9

If wanted by Parcel Post, include postage.

Mir-o Ray House Numerals

Will trap any kind of light beam however slight on the darkest nights; easily read from the roadway or automobile. Numerals 4 inches high.

4 Numerals and Lawn Holder.....	\$2 00
3 Numerals and Lawn Holder.....	1 75
4 Numerals and House Holder.....	1 75
3 Numerals and House Holder.....	1 50

Lock
Folded



Not
Glued

Waterproofed Plant Boxes

Each containing 12 BB Craft Board Pots

Your plants can be transferred to the garden in BB Craft Board Pots. Simply unlock bottom, fold flaps back, and place in the ground without disturbing the roots. Pkg. (12 boxes) 15c each, postpaid 22c; 2 for 25c, postpaid 35c.

Wooden Plant Boxes

The front is removable, permitting sliding out the pots without breaking up the soil or disturbing the roots.

No. 1 Plant Box. With 36 2-in. pots. 75c each, postpaid 90c.

No. 2 Plant Box. With 16 3-in. pots. 75c each, postpaid 90c.

Kraft Board Pots. Sold separately if desired. 2-in., 85c per 100; \$7.00 per 1000. 3-in., \$1.25 per 100; \$10.00 per 1000.

Cedar Seed Flats. Light and strong. Sent knocked down only. Size 18 x 12 x 3 in. 20c each, postpaid 30c.



The Watermat supplies moisture to the bottom of the clay pot. It is your plant's life insurance. Watermat is sold in combination with a green, non-rusting, non-breakable, copper alloy saucer.

Large size, 6 in..\$0 30	With Copper Saucer
Medium, 4 1/2 in 25	Large.....\$0 50
Small size, 3 1/2 in..... 20	Medium..... 40
	Small..... 30

For Parcel Post add 5c to each

National Eezy Wear GARDEN Gloves

Dirtproof Washable Garden Gloves



ALL LEATHER and DURABLE yet SOFT AS KID and EASY TO WEAR

—for Men and Women

Eezy Wear gives you everything you've been wanting in a Garden Glove: All-leather protection from dirt, scratches, stains, infection, yet permits almost barehand freedom. Their amazing softness and pliability is the result of a special processing of select lamb skins. They are washable and can be used the year round.

Sizes for women (small, medium, large); for men (small, medium, large). 75c per pair postpaid; 2 pairs \$1.40 postpaid.



The Success Plant Box is made of strong, galvanized iron, neatly enameled in dark green. It is so constructed that the watering is easy, the drainage ample, the air circulation perfect. Plants thrive wonderfully in these boxes. For window or porch use they are ideal, as unless excessively over-watered, there is no drip. No staining of paint or disfiguring in any way.

Length	Width	Depth	Each	Postpaid
24 in.	8 1/2 in.	6 1/4 in.....	\$1 25	\$1 35
30 in.	8 1/2 in.	6 1/4 in.....	1 50	1 65
36 in.	8 1/2 in.	6 1/4 in.....	2 00	2 40

M.-S. LAWN AND GARDEN ACCESSORIES



Fig. 17

Asparagus Knife, No. 2500. Fig. 17. Makes a fine weeder as well. 35c, postpaid 42c.

The "Out-U-Kum" Weed Puller

An entirely new principle. A slight push and pull thoroughly loosens the surrounding soil and removes not only the weed, but the entire root, with little or no clinging soil. 65c, postpaid 75c.



Lang's Hand Weeder. Handiest tool on earth. 20c, postpaid 25c.

Hazelwood Hand Weeder. An old favorite and an indispensable tool in the rock-garden. 50c, postpaid 55c.



Ezee Crab-Grass Forks. For quickly and easily taking out crab grass from the lawn. 25c, postpaid 33c.

Sure-Grip Weed Puller. Has no equal for pulling weeds of all sizes. It is the only Weeder made that will pull very small weeds without mutilating a lawn. Speedy in operation as it automatically releases the weed as soon as pulled. It will not clog. Fitted with a 38-inch handle. \$1.25, postpaid \$1.35.



No. 8113. Stainless steel fork; 3 tines. \$2.00, postpaid \$2.10.

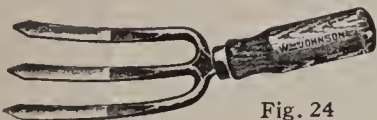


Fig. 24

Garden Fork or Weeder, No. 300. Fig. 24. 45c, postpaid 52c.

Kneeling-Pads. Found most convenient and serviceable for many uses, in gardening and housekeeping. Made of best Para rubber. 50c, postpaid.

Eureka Garden Weeder. Fig. 11. 40c, postpaid 47c. Same with 2-ft. handle 50c, postpaid 58c; 4-ft. handle 60c, postpaid 73c.

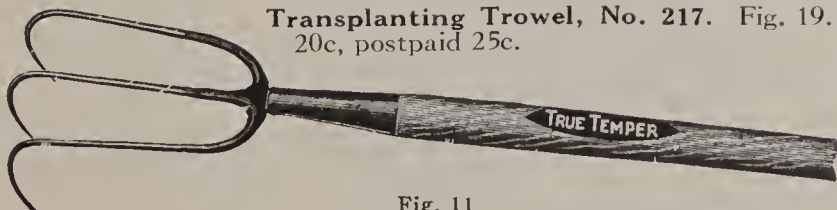


Fig. 11



Fig. 23

English Weeding Fork, No. 8125. Fig. 23. Solid steel. Note convenient handle. 60c, postpaid 67c. Companion to No. 8106 trowel.

No. 8106, English Trowel. 13-in. handle. 60c, postpaid 70c.

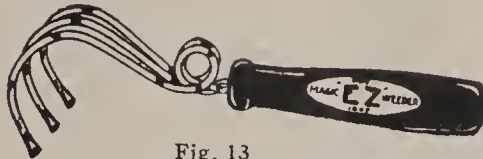


Fig. 13

Magic "EZ" Weeder. Fig. 13. These tools are of sturdy construction and the spring tines are of the best quality obtainable.

No. A. 15c, postpaid 22c.

No. D. Large size, 4-tined with hoe or scraper on back. 30c, postpaid 38c.

Style F. 4-prong; 3 1/2-ft. handle. 75c, postpaid 85c.



Planet Jr. Lifetime Weeder. 50c, postpaid 60c.

Cleveland Weed Puller. Fig. 10. Valuable for extracting weeds from the lawn. \$1.00, postpaid \$1.08.

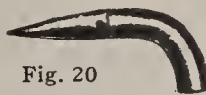


Fig. 20

Dibbles, No. 218. Bent wood handle. Fig. 20. 75c, postpaid 83c.



Planet Jr. Lifetime Bulb Trowel. 50c, postpaid 60c.



Planet Jr. Lifetime Trowel. 50c, postpaid 60c.



Fig. 19

Steel Trowel. Drop shank. Best made. \$1.00, postpaid \$1.10.
No. 8111. Stainless steel Trowel. 6 in. \$1.80, postpaid \$1.90.

Transplanting Trowel, No. 217. Fig. 19. 20c, postpaid 25c.



Fig. 22

No. 212. Fig. 22. One-piece Trowels. 25c, postpaid 30c.

No. 215. 6-in. Trowel. 20c, postpaid 25c.

Hole-in-One Planting Tools

The tapered cup removes the soil and makes a perfect planting hole in one operation. Especially adapted for bulb plantings. Made of good materials, properly constructed, they will serve well for many years.



Junior. 50c, postpaid 60c.
Senior. \$4.00, postpaid \$4.25.

Descriptive circular on request.

Handy Bulb Planter.

Equipped with soil-ejector and 2-foot handle. \$1.00, postpaid \$1.15.

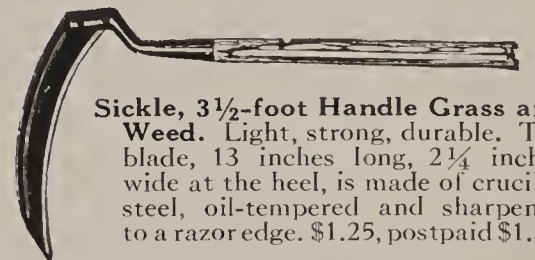
Grass Hooks or Sickles



Grass Hook, English No. 2. Riveted back. 85c, postpaid 95c.

Grass Hook, Village Blacksmith No. 35. Best steel. 75c, postpaid 85c.
No. 40. Detachable blade 65c, postpaid 75c.

Grass Hook, German No. 2. Very durable. Good material. 60c, postpaid 70c.



Sickle, 3 1/2-foot Handle Grass and Weed. Light, strong, durable. The blade, 13 inches long, 2 1/4 inches wide at the heel, is made of crucible steel, oil-tempered and sharpened to a razor edge. \$1.25, postpaid \$1.33.



Graswip. Grass and weed cutter. Double edged, cuts on the forward and backward stroke. \$1.00, postpaid \$1.10.

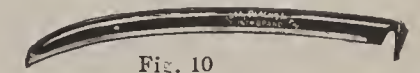


Fig. 10

Scythes, Grass, German. 32 in. long. \$2.50.

Scythes, Grass, American Make. Fig. 10. 30, 32 and 34 in. long. \$1.50.

Scythes, Weed and Bush, American Make. 18, 22, 26 and 28 in. long. \$1.60.

Scythes, Grass, English. Riveted back. 32, 34, 36 in. \$2.80.

Scythe, Austrian No. 4. 32 in. \$2.15. Postage on Scythes 15c extra.

Snaths, No. 50. Special railroad; extra-heavy construction with swing plate; has a heavy loop bolt.

No. 55. Solid plate. Either style, \$1.50, postpaid \$1.65.

Whetstones, Carborundum. 35c, postpaid 42c.

Talacre Stone. 25c, postpaid 35c.

Scythestone, Canadian. 30c, postpaid 40c.

Corn Hooks and Knives

Knife, Village Blacksmith No. 1. 50c, postpaid 60c.

Corn Hooks, American. 50c, postpaid 60c.

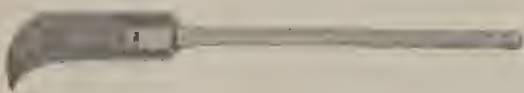
Meyers Handy Hoe

LENGTH OVERALL — 4 FEET



This narrow blade will safely and thoroughly cultivate and weed spots usually neglected because of likely damage resulting from the use of ordinary tools. The long handle reaches every nook and cranny, doing away with the old-fashioned back-breaking method of gardening. The hoe is light in weight, yet strong and durable. A profitable and labor-saving tool for any gardener—a delight to the woman gardener. 75c, postpaid 85c.

Bush and Brush Hooks



Brush Killer (shown above). For heavy cutting. Because of the heavy-gauge, specially tempered steel blade, this tool will bear an unlimited amount of punishment and abuse. The blade is thicker and stiffer and shorter, and is sharpened all around. The sharp curved back makes this tool fine for cutting right through the ground and cutting off roots of small saplings. It is two tools in one. Regularly furnished with 17-inch blade and 36-inch selected second-growth hickory handle. \$2.75, postpaid \$2.90.

Weed Slugger (like above). For general cutting. \$2.25, postpaid \$2.40.

Briar Chaser. Like above, but lighter. \$2.00, postpaid \$2.15.

Giant Bush and Briar Hook. \$2.00, postpaid \$2.25.

Bush Hook, Little Giant. With cutting edge on back. \$1.50, postpaid \$1.65.

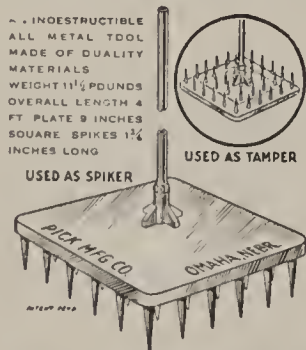
Planet Jr. Edger, No. 2. Fig. 18. \$1.40, postpaid \$1.55.

True Temper Edger, No. 40F. For edging walks. \$1.00, postpaid \$1.10.



Fig. 18

Spike Tamp



A wonderful lawn tool. Use when seeding or top dressing and to spike hard spots and pulverize clods. Saves money on seed, plant-food, and water. Assures a fine lawn. Guaranteed against breakage. \$4.50, postpaid \$4.75.

Best Grade Pick. \$1.00; with handle \$1.50, postpaid \$1.65.

Best Mattock. \$1.50; with handle \$2.00, postpaid \$2.25.

Mattock, Pick and Ax Handles. 50c, postpaid 61c.

Lightweight Mattock. \$1.25.

Lightweight Mattock Hoe. \$1.25.

Lightweight Mattock Pick. \$1.25.

Add 12c for postage on above three tools.

Japanese Beetle Trap



Enameled green and white; will last for years. Fitted with a standard screw cap for quart and two-quart Mason jars. Differs from other types in having two wings cross-wise at the top. This design has proved very successful in catching beetles. Jars extra.

Type 0. Designed for use with dry bait, 40c, postpaid 50c.

Type 4. Handles liquid or dry bait, \$1.00, postpaid \$1.12.

Iron stand for same, 50c, postpaid 65c.

1-qt. jars, 10c, postpaid 15c. 2-qt. jars, 15c, postpaid 20c.

For Bait, see page 40.

Watering Cans

Long Spout Watering-Pot

(Round pattern). Equipped with 2 copper-faced roses, 1 fine, 1 coarse with each can. Made of heavy galvanized iron.

4-qt.	\$4 25	10-qt.	\$5 25
6-qt.	4 50	12-qt.	5 75
8-qt.	4 75	16-qt.	7 50

Made of heavy galvanized iron, removable rose.

4-qt.	\$0 70
6-qt.	75
8-qt.	90
10-qt.	\$1 00
12-qt.	1 10
16-qt.	1 35

For Parcel Post, add 25c to each.



Hand Operated

"Little Wonder" Hedge Trimmers

Hand Models

30 in.	\$27 50
40 in.	30 00
60 in.	35 00
Side-cutting Carriage.	5 00



Electric Driven

Electric Models

Junior . 27 in., with 15 ft. of wire. . .	\$55 00
Senior . 36 in., with 15 ft. of wire. . .	100 00
Senior . 60 in., with 15 ft. of wire. . .	105 00
100-ft. lengths, best rubber-covered waterproof wire with handy reel . . .	4 50

Flower Scissors

F. H. 2. Nickel finished. Sure to hold flower after being cut. \$1.50.

F. H. 2-G. Finished in green. 85c.

No. 750. Fig. 8. Green enameled handle. 60c.

Wiss Grape Shear, No. C-4. 7½ in. Ideal for cutting flowers, small fruit, and thinning grapes. \$1.25.

For Parcel Post, add 5c to each

Dumore Electric Hedge Trimmer



The Dumore Trimmer is equipped with a light but dependable Dumore motor that operates on either A.C. or D.C. current. A convenient switch furnishes instant control. This trimmer will cover any area of hedge in half the time required by tedious hand methods. With three feet of rubber-covered extension cord, represents a sound investment at only \$24.50, postpaid \$24.75.

30 ft. rubber-covered extension cord, fitted with separable plug. \$2 00

50 ft. rubber-covered extension cord, fitted with separable plug. 3 25

100 ft. rubber-covered extension cord, fitted with separable plug. 6 00

The above 3 postpaid



Fig. 5

Lopping Shears

No. 149 HH. Fig. 5. For trimming trees, bushes, heavy shrubbery, etc. Uses the famous snap-cut action. 27-in. handle. \$3.50.

No. 100. 20-in. handle, \$1.00.

M.-S. No. 5409½. Curved blade and hook. Forged steel. Handles 24 inch, riveted through ferrules and tang. For light work. \$1.75.

M.-S. Draw-Cut, No. 5402. For heavy work. 24-in. handle. \$3.25. Postage on Shears, 15c extra.

Pruning Knife No. 1. Wood handle. \$1.00, postpaid.

Budding Knife No. S1944W. American make. One blade; white handle. 90c, postpaid.

Budding Knife No. 7164½W. Two blades. \$1.00. Postage on Knives, 10c extra.



Pruning Saws. Double or single cutting edge. \$2.00, postpaid \$2.10.

No. 714. Blade can be set in any position and is removable for sharpening. \$2.50, postpaid \$2.62.

No. 514. The curved blade has long, easy cutting teeth and permits working in dense growth. \$1.50, postpaid \$1.60.

No. 10 Telephone Saw. Highest grade needle-toothed, fast-cutting blade. \$2.50, postpaid \$2.62. 10-ft. handles for same, \$1.00.

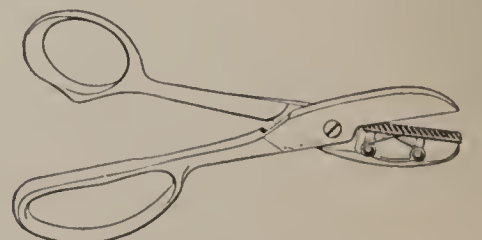


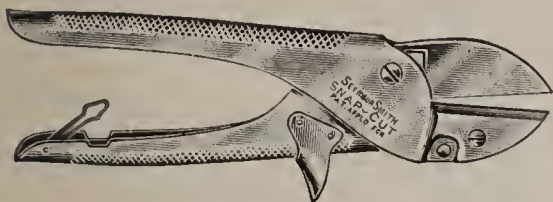
Fig. 8



Hand Pruning Shears

Postage on Shears, 10c extra

- No. 109 Wiss.** Strongest and best Pruner made. \$3.00.
No. V 139. Similar to illustration, with adjusting nut and regulating ratchet. Steel blades of extra-quality steel. 9 in. \$1.50.
No. V 179. A good Pruner. 9 in. \$1.00.
No. 145G. Ladies' Pruner. 6 in. \$1.00.



- Snap Cut Pruner, No. 119.** An improved easier-cutting Pruner. \$2.00.
No. 118. Ladies' size. \$1.50.
Clipper Pruner, No. 122. Similar to above, not polished. \$1.00.

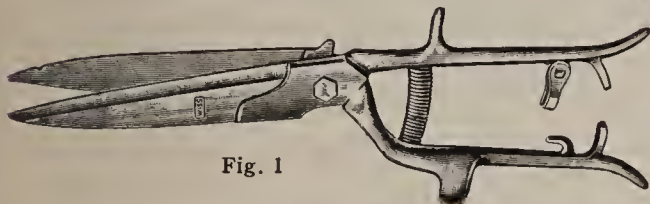


Fig. 1

- No. 600 Wiss Grass Shears.** Fig. 1. Best quality with offset handles. \$1.65.
No. 3 Village Blacksmith. Built like above. 75c.



Grass or Sheep Shears. 75c.

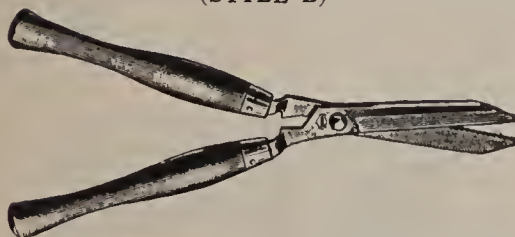
The New Wiss-Klip Grass Shears



For resharpening loosen one nut, swing back shackle and spread blades apart.
No. 700. Length over all 12 in. \$1.40.
 Postage on Shears, 10c extra.

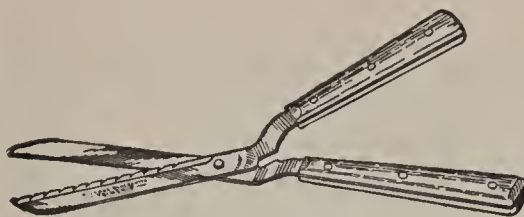
Wiss Hedge Shears

(STYLE B)



These Shears are made to meet the demand for a better-balanced, easier-cutting, and more durable hedge clipper.

Each	Each
6½ in. \$1 50	8½ in. \$2 00
7½ in. 1 75	9½ in. 2 25
10 in., with replaceable blades.	3 50



- Trimsnip.** Hollow ground; blades serrated and notched. 8-in. handles, riveted. \$2.35.
Ladies' Hedge Shears. 5½-in. cut. \$1.00.
Lawn Shears, Imported. Two wheels; 9-in. blade; long handle for cutting on narrow borders, under fences and shrubs. \$4.25.
Border Shears. Same as above, but the blades are shaped vertical for trimming borders. \$4.25.

Postage on Shears, 10c extra

Wheelbarrows and Leaf-Rack



Leaf-Rack used on any wheelbarrow, for carrying leaves, grass, and rubbish. Holds about 10 bushels. Made extra heavy, with galvanized diamond-mesh wire, bolted to a wood base. \$6.00, not including wheelbarrow

Wheelbarrows

- No. 3.** A durable, neat garden Barrow. Size of body 26 in. long, 19 in. wide in front, 22 in. wide at back. Sideboards, 27 in. long, 12 in. high; handles, 60 in. long; 2-in. tread wheel; 20-in. diameter. \$7.00.
No. 3. Equipped with pneumatic tire. \$15.00.
Boys' or Ladies' Size. \$6.00.
Farm Size. \$9.00.



No. S3

- Steel Tray Barrow No. S22.** Hardwood handles. Capacity 3 cu. ft. \$4.50.
No. S3. Same size as above but all steel construction. \$8.50. See cut.



M.-S. Water Ballast Lawn and Tennis Court Rollers

Equipped with Ball Bearings and Scraper

- No. 601.** Diam. 14 in., length 24 in. Weight, empty, 70 lbs.; filled with water, 175 lbs. \$11 00
No. 602. Diam. 18 in., length 24 in. Weight, empty, 85 lbs.; filled with water, 265 lbs. . 12 00
No. 603. Diam. 24 in., length 24 in. Weight, empty, 110 lbs.; filled with water, 420 lbs. . 15 75
No. 604. Diam. 24 in., length 32 in. Weight, empty, 130 lbs.; filled with water, 566 lbs. . 17 50

Plain Bearings—No Scraper

- No. 605.** Diam. 14 in., length 24 in. Weight, empty, 70 lbs.; filled with water, 175 lbs. . 9 00
No. 606. Diam. 18 in., length 24 in. Weight, empty, 85 lbs.; filled with water, 265 lbs. . 10 75
No. 608. Diam. 24 in., length 24 in. Weight, empty, 110 lbs.; filled with water, 420 lbs. . 14 00
No. 609. Diam. 24 in., length 32 in. Weight, empty, 130 lbs.; filled with water, 566 lbs. . 16 25

Tree and Shrub Pruners

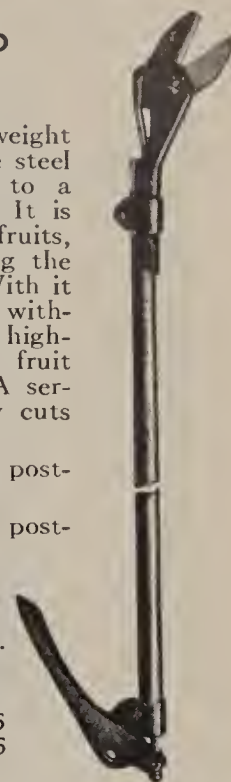
A new handy lightweight Pruner with unbreakable steel cutting parts attached to a strong aluminum shaft. It is ideal for pruning briery fruits, roses, and shrubs, saving the hands from scratches. With it you can cut at the ground without bending over, or pick high-growing flowers, prune fruit trees, high vines, etc. A serviceable tool that easily cuts ¾-in. branches.

- No. 196.** 6 ft. \$4.00, post-paid \$4.20.
No. 194. 4 ft. \$3.50, post-paid \$3.68.

TREE PRUNERS

Made of best material. Express or freight only.

- No. 5407.**
 10-ft. handle. \$2 15
 12-ft. handle. 2 35
 Not mailable.



Telephone Tree Pruner

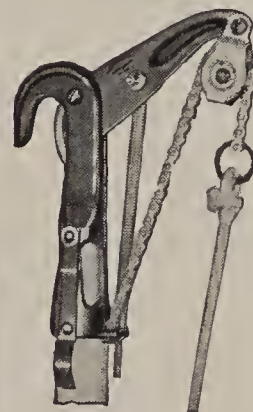


Fig. 2

Fig. 3. To be attached to pole. \$1.75, postpaid \$1.85.

- No. 11.** Fig. 2. \$2.20, postpaid \$2.30.

Fig. 3

Solid Poles, without joints. For pruners, saws, fruit-pickers, window-washers, etc. Sitka or airplane spruce, very strong and light weight. 1½ in. square, 10-ft. lengths, \$1.00. Not mailable.

Pole Saws. See page 46.

Extra Blades for Snap Cut Pruners, 50c; for other Pruners, 25c, both postpaid.



GARDEN TOOLS



Fig. 23

Fig. 4

Fig. 5

Manure and Hay Forks

For Parcel Post, add 15c to each tool

No. 151. 4 diamond tines; D handle...	\$2 90
No. 157. 5 diamond tines; D handle...	4 00
No. 163. 4 oval tines; D handle...	2 90
No. 167A. 5 oval tines; D handle...	3 80
No. 044X. 4 tines; long handle...	1 50
Hay Fork No. 036. 3 tines...	2 10
Ensilage Fork. No. 506. 6 tines...	2 95
No. 508. 8-tine...	3 10
No. 510. 10-tine...	3 65

SPADING FORKS

No. OHD. 4-tine; D handle. Fig. 23...	1 90
No. ED 4D. 4-tine; D handle, English	2 90

HOES

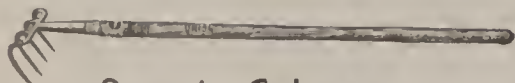
No. G 06½X. 6½-in. blade. Fig. 4...	1 20
No. G 07½X. 7½-in. blade...	1 30
No. 1 PF. Weeding. 1-prong...	85
No. 2 PF. Weeding. 2-prong...	95
No. DE. 3H. Heavy Grubbing...	1 55
No. 4BOL. Potato Hook or 4-Prong Hoe...	1 40

SHOVELS

No. BX 111P. Round point, long handle...	2 10
No. BXLOP. Round point, long handle...	1 80
No. 3. D handle, square point...	1 85
No. CE56. D handle Scoop Shovel...	1 80
No. CE58. D handle Scoop Shovel...	1 90
No. 6. D handle Manure Shovel...	2 00

SPADES

No. BX 232P. Garden Spade. Long handle...	2 10
No. BE 232P Standard Garden. Fig. 5...	1 80
No. E300 Heavy Nursery. D handle...	4 25
No. 168 Turfing Sod Lifter...	2 50
No. 131 Thistle and Dock Cutter...	1 95



Speedy Cultivator, No. SC4

Cuts in half the time of cultivating. Makes it a pleasure. \$1.15, postpaid \$1.25.

Best Grade Ax. Guaranteed article. \$2.00, postpaid \$2.10.

Best Hatchets. \$1.50, postpaid \$1.60.

Garden Tool Set

True Temper Ladies' and Children's. Fig. 9. Not toys, but tools that will do and stand the work.

Single Tools:

Shovel	90c.
Rake	60c.
Hoe	75c.
Spading Fork	\$1.00.

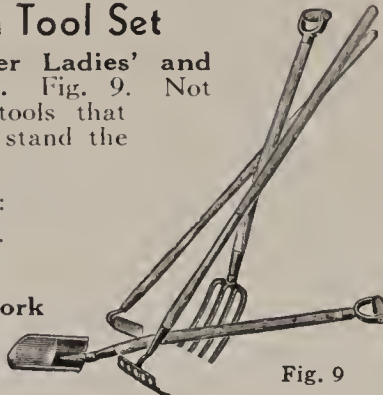
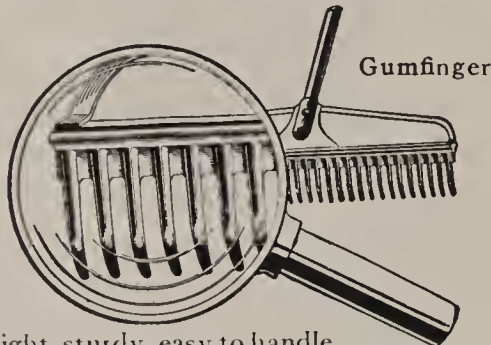


Fig. 9

Set complete, \$3.00, postpaid \$3.20. On separate tools, add 10c each for postage.

Garden Lawn and Leaf Rakes

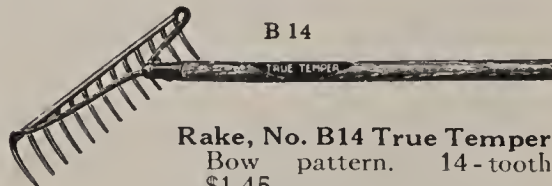
For Parcel Post, add 10c to each Rake



Gumfinger

Light, sturdy, easy to handle.

Rubber teeth are guaranteed for 3 years. Teeth will not clog up with dead leaves, sweep clean without uprooting grass, won't injure tender grass or shrubs, adjust themselves to irregularities of ground. Fine for getting trash on drives or lawns. Children can't injure themselves on rubber teeth. 16-in. \$1.00; 20-in. \$1.25; 24-in. \$1.50.



B 14

Rake, No. B14 True Temper. Bow pattern. 14-tooth. \$1.45.

Rake, No. 14 True Temper.

Regular pattern. 14-tooth. \$1.30.

Rake, Wire Lawn. Heavily reinforced; best made. 24-tooth 90c; 46-tooth \$1.40.

Rake, Lawn, Olsen. All wood. 26-tooth. 75c.

Rake, Wood. 28-tooth; 3 wire-bow braces. 80c.

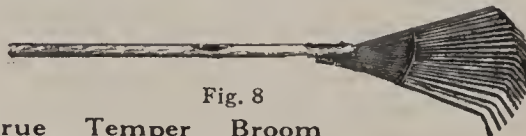


Fig. 8

True Temper Broom Rake

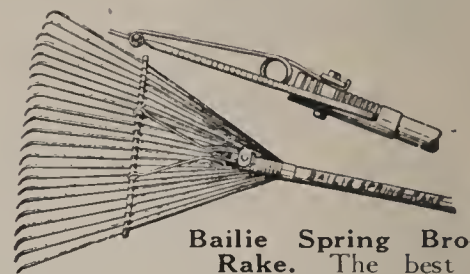
A general outdoor broom for lawns and gravel paths. \$1.10.

Bamboo Metal-Grip Lawn Rake. Not the old flimsy kind. Made to last. 18-in. 50c; 24-in. 80c; 30-in. \$1.30.

The Lawncomb



Light, strong, flexible, unequalled for cleaning lawns. 18-in. \$1.30; 24-in. \$1.75.



Bailie Spring Broom Rake

The best we have seen to date. Light, yet strong and durable. Impossible for teeth to drop out or handle to come off. The steel spring teeth are very flexible and made in one piece strongly reinforced. \$1.75, postpaid \$1.87.



Norcross Cultivators

Three sizes: 5-pronged, 4-ft. handle, \$1.40, postpaid \$1.53; 3-pronged, 4-ft. handle, \$1.10, postpaid \$1.20. Midget, 9-in. handle 60c, postpaid 70c.

Twines, Raffia, Etc.

Add postage

White Cord. 3-ply, 4-ply and 6-ply, ½-lb. balls, lb. 50c; 10 lbs. \$4.50; 25 lbs. \$10.00.

Jute Twine. 3-ply and 2-ply, lb. 30c; 10 lbs. \$2.50; 25 lbs. \$6.00.

Binder Twine. Standard. Ball (5 lbs.) 60c.

Fodder Twine or Tarred Sisal. Lb. 15c.

Quantity prices furnished on application.

Plow Lines, Sisal. 14 yds. 50c, postpaid 60c.

Plow Lines, Cotton. 14 yds. 75c, postpaid 85c.

Garden Line. 150 ft. of good cotton line. 50c, postpaid 55c.

Red Tape No. 17-677. For tying asparagus. 1000 yards \$1.50, postpaid \$1.60.

No. 17. The best. 1000 yards \$2.25, postpaid \$2.35.

Green Cotton Twine. Balls 10c.

RAFFIA



For tying asparagus and anything in the garden. Lb. 30c, postpaid 37c. Hanks contain about ½lb.; 5 lbs. or more at 25c. per lb. Special prices on larger quantities.

Green Raffia. ½lb. 50c; lb. 90c. Postage extra.

GRAFTING WAX. ¼lb. 15c; ½lb. 30c; lb. 50c. Postage extra.

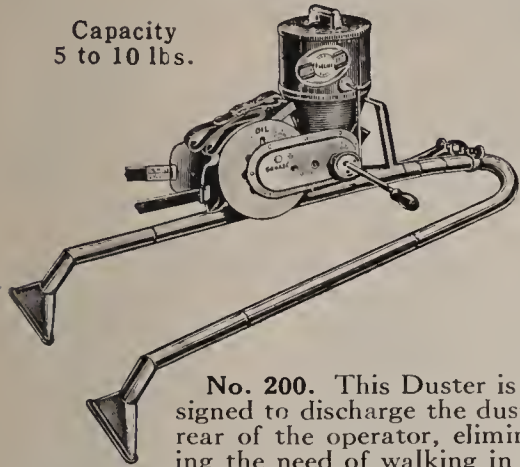


GRAPE-PROTECTING BAGS. No. 12.

The right size for our domestic Grapes. 10c per doz.; 60c per 100, postpaid 70c; \$5.50 per 1000, postpaid \$5.75.

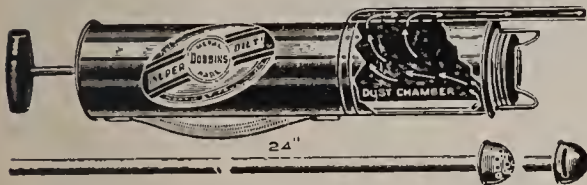
DOBBINS' SUPERBILT DUSTERS

Capacity
5 to 10 lbs.

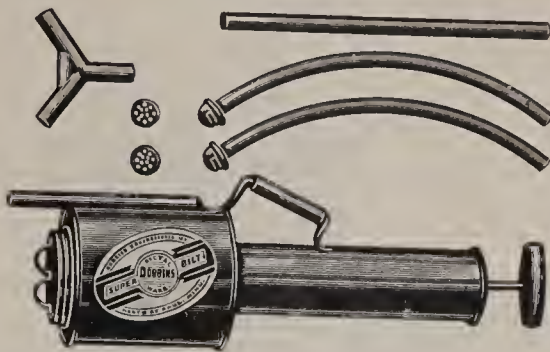


No. 200. This Duster is designed to discharge the dust in rear of the operator, eliminating the need of walking in the dust and the possibility of inhaling poisonous insecticides. It is held securely in position by body support with shoulder and waist-straps. Each elbow fitted with thumbscrew clamp; any angle of discharge can be maintained and can be quickly adjusted to meet any condition. Can also be used to discharge in front of the operator. Weight 11 lbs. \$12.70, postpaid \$12.90.

No. 100. Capacity 3 to 6 pounds. \$10.00. Can be made to discharge in rear by adding No. 1208 fitting. Price of fitting, \$1.65, postpaid \$1.75.



No. 132. A new type Dust Gun. Assures a uniform discharge with every stroke of the pump down to the last particle of dust. Furnished with 2 nozzle caps for dusting, either top or underside of leaves. Equipped with 24-inch extension. \$1.00, postpaid \$1.10.



No. 120. A new principle is embodied in the design of this Duster, which delivers a uniform film-covering dust cloud. The pump is very powerful and the special nozzle caps assure effective and economical application of all dust insecticides. Two rows can be dusted at one time or the top and underside of a plant can be dusted at one operation. A splendid Duster for all crops. Weight 3½ lbs. \$2.95, postpaid \$3.05.



No. 140. A high-grade Powder Duster, recommended for household use. 40c, postpaid 50c.

Crystal Duster



A hand Duster with glass jar container. For dusting garden, truck and field crops. The discharge is continuous. \$1.25, postpaid \$1.34.

Platz Famous Duster

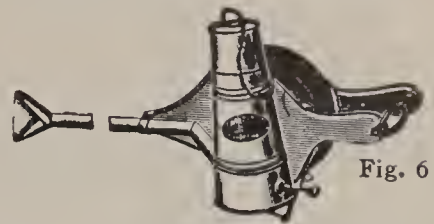


Fig. 6

Its agitator will crush and sift sulphur as well as the standard dusting materials. Regulator is adjustable for a light or heavy application. Bellows of high-quality leather. Extension pipes and spreader. 24 in. Capacity 1 pound. \$6.00, postpaid \$6.15.

Acme Duster



No. 313. This Duster consists of a tight, valveless bellows, with extension tube and spreader nozzle for placing the dust either on top or underside of the foliage. Will handle all dry insect powders for garden, poultry and stock. Capacity 1½ quarts. \$1.65, postpaid \$1.80.



No. 390. Well made. The user can stand upright and force the powder through the foliage from the ground to 7 feet. 75c, postpaid 85c.

SPRAYERS FOR ANY PURPOSE

Paragon Sprayers

For spraying whitewash, water paint, and insecticides. No straining of materials—cleans automatically. Express or Freight only.



No. 0. Equipment furnished: 4-ft. Special Spray Hose; 3-ft. Spray Pipe; Shutoff Valve; 3 Spray Nozzles. Capacity 3½ gallons. Complete \$12.95.

No. 1. Equipment furnished: 5-ft. Special Spray Hose; 5-ft. Spray Pipe, total reach 10 ft.; Shutoff Valve; 3 Spray Nozzles. Capacity 6 gallons. \$17.75.

No. 3. Equipment furnished: 10-ft. Special Spray Hose; 7½-ft. Spray Pipe, total reach 17½ ft.; Shutoff Valve; 3 Spray Nozzles. Capacity 12 gallons. Complete with single or 2-wheel truck \$23.50; without truck \$19.50.

Single Action Sprayer

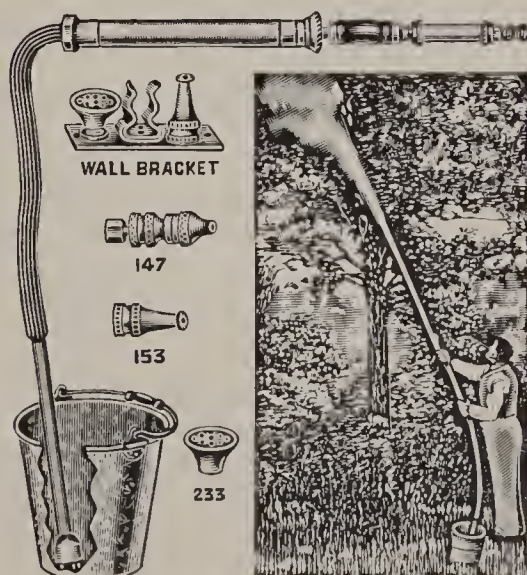


A strong atomizer made of heavy tin.
No. 12. Pint size, 30c, postpaid 40c.
No. 14. Quart size, 40c, postpaid 45c.
No. 3T. Quart size, 45c, postpaid 50c.

The New

Modern CCC Spray Pump

A DOZEN DIFFERENT SPRAYERS
IN ONE!



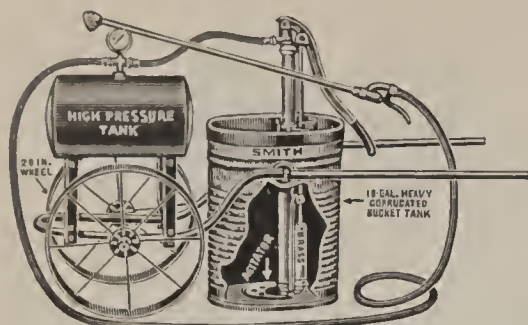
Sprays tall fruit and shade trees quickly and easily. Sprays insecticides, disinfectants, whitewash, and cold-water paints. Sprays lawns and gardens, washes windows, automobiles, etc. Wonderful for fighting fires; dependable for fighting grass, brush, and other fires. Solid brass; 3 feet of corrugated rubber hose; brass pump; double strainer; adjustable nozzle; 3 different sprays. Complete, \$6.85, postpaid \$7.00.

Dobbins' Flame Sprayer



The Dobbins Flame Sprayer works on the same principle as a plumber's blowtorch. The fuel used is kerosene, gasoline, range-oil, stove-oil or light furnace-oil. Kerosene vapor and air are combined in the burner in correct proportion for perfect combustion (94 per cent air, 6 per cent kerosene), producing a powerful, reddish blue flame, 3 inches in diameter, 30 inches long—of intense heat, 2000° F. Size of flame is easily controlled by a regulating valve. Anyone can operate this Flame Sprayer. It is absolutely safe! The powerful heat generated is under absolute control at all times. Very economical to operate, as the average oil-consumption is only 1½ gallons per hour. Rigidly constructed; will last indefinitely. Light, compact, portable, easy to carry. Complete, \$15.35, postpaid \$15.65.

Wheelbarrow Sprayers



No. 60-SPG. Has 18-gallon capacity and a 250-pound high-pressure air-tank with pressure gauge, paddle agitator, 12-foot hose, 3-foot brass extension and non-clog nozzle. For spraying orchards, field crops, gardens, and all general spraying. Shipping weight, 98 lbs. \$31.25.

No. 50G. Similar to above, less pressure tank, has 12-gallon capacity, 8 feet of hose. Shipping weight, 44 lbs. \$12.50.

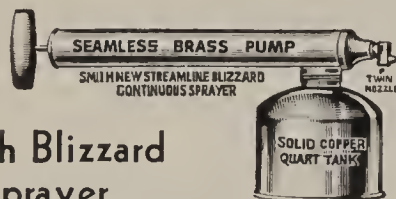
No. 3193. A portable Power Sprayer of the wheelbarrow type. Capacity 18 gallons. Fills the demand for high-pressure service. With $\frac{1}{2}$ H.P. high-speed Engine, \$75.00. With $\frac{1}{3}$ H.P. A. C. Motor, 110V. \$70.00.



Brown's No. 26BG Glass Jar Continuous Sprayer

The strong glass jar is of quart capacity. \$1.20, postpaid \$1.35.

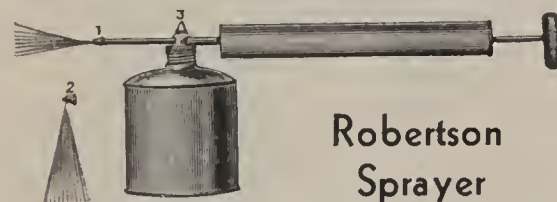
Brown's Ace. 1-qt. glass jar. 60c, postpaid 70c.



Smith Blizzard Sprayer

No. 14C. Has seamless brass pump, solid copper tank, full quart size, and twin nozzle. \$2.25, postpaid \$2.40.

Smith Bomber. 2-qt. \$3.50, postpaid \$3.65.



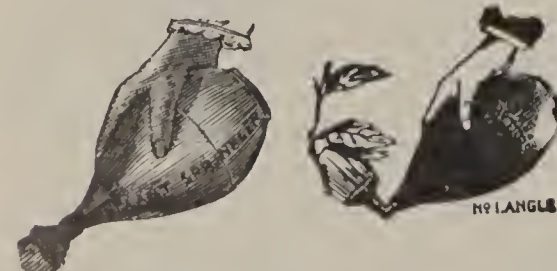
Robertson Sprayer

Easy to operate and gives a continuous spray. 1-qt. size. If to go by Parcel Post, add 10c to each.

Tin pump and galvanized iron container, \$1.10.

Brass pump and container. \$1.65.

Rubber Plant Sprinklers



No. 477, straight or **No. 478,** angle neck. 8-oz. 90c, postpaid 98c.

No. 479, straight or **No. 480,** angle. 16-oz. \$1.25, postpaid \$1.33.

Spray Bulb. 8-oz. capacity, 50c; 14-oz. capacity, 75c. Postpaid 5c extra.

High-Pressure Knapsack Sprayer



Extremely high continuous pressure. Right or left-hand operation. Capacity, 4 gallons. Weight, 15 lbs.

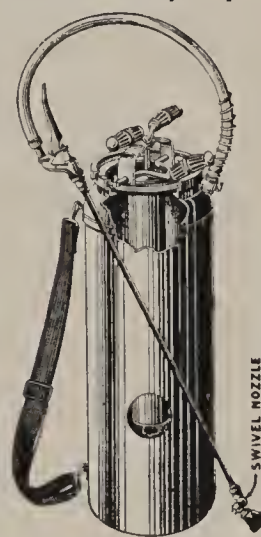
No. 45G. Galvanized tank. \$14.00.

No. 45B. Copper tank. \$21.25.

If to go by Parcel Post, add 20c to each.

Brown's New Open-Hed Sprayer

A sturdy, compressed-air Sprayer. Electrically welded seams make a practically seamless one-piece tank which has been galvanized after tank is fabricated. Equipped with double-acting pump - lock which can be quickly, easily, and safely locked or unlocked. Tank opening is 5 inches in diameter; can easily be wiped clean. Tank is guaranteed for 100 pounds pressure. The rubber double-grip pump-handle allows one to use both hands for pumping. Swivel nozzle can be adjusted to any angle. Capacity 4 gallons. Two-foot extension with each machine.



No. 4B. Brass-copper alloy. \$11.75, postpaid \$11.95.

No. 4D. Heavy steel, galvanized. \$6.75, postpaid \$6.95.

No. 3B. Brass-copper alloy. \$8.95, postpaid \$9.10.

No. 3D. Heavy steel galvanized. \$5.75, postpaid \$5.90.

No. 24GF. Sturdy, funnel-top, compressed-air Sprayer. Capacity, $3\frac{1}{2}$ gallons. Equipped with 23-inch hose and 24-inch extension pipe. Galvanized tank. \$3.85, postpaid \$4.00.

Spray Pump Accessories

Non-Clog Jr. Brass Nozzle. Either straight or 45-degree angle. 60c.

No. 431-3. Auto Pop Nozzle. \$1.50.

No. 80. Bordeaux Nozzle. \$1.00.

No. 415-1. 2-ft. Brass Extension. 60c.

No. 92. Vermorel Nozzle. All brass. The plunger pin can be forced through the hole in nozzle cap to clean nozzle when clogged. Desirable for spraying whitewash, cold-water paints, etc. 75c.

Bamboo Spray Rods. With Stop-cock. 8-ft., \$4.50; 10-ft., \$4.75; 12-ft., \$5.00. Not available.

Spray Hose. $\frac{1}{2}$ -in. 18c per ft., postpaid.

$\frac{1}{2}$ -in. Clamps. 5c each, 50c per doz.

$\frac{1}{2}$ -in. Hose Couplings. 25c per pair.

No. 137. $\frac{1}{2}$ -in. Male and Female Fittings. 25c.

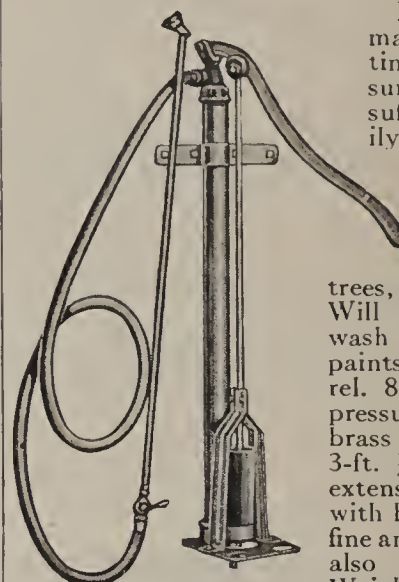
Postage on all Nozzles and Fittings, 5c extra.

Myers Spray Gun



All brass, with hose swivel; 25 inches overall. Delivers a long-distance spray. For use on all power sprayers. \$8.00, postpaid \$8.25.

Barrel Spray Pump



Designed to maintain a continuous high pressure of 200 lbs., sufficient to easily keep two lines of hose in operation continuously. Suitable for spraying

trees, shrubbery, etc. Will spray white-wash and cold-water paints. Fits any barrel. 8-ft. $\frac{1}{2}$ -in. high-pressure hose; $\frac{1}{4}$ -in. brass shut-off cock; 3-ft. $\frac{1}{4}$ -in. iron pipe extension, equipped with brass nozzle for fine and coarse spray; also solid stream. Weight 31 lbs. \$9.60, postpaid \$10.00.

Myers General Purpose Sprayer

No. R329. Detachable hose.

Brass valves. Heavy galvanized iron tank with wide bottom. Cover is removable and is secured by two thumb nuts, which hold the cover tight and prevent spilling or splashing. Holds 7 gallons. Equipped with 4-ft. extension and a Bordeaux Nozzle; also a cog gear which increases leverage one-third. \$14.00, postpaid \$14.40.



Eliminates the constant measuring, mixing, and filtering of large quantities of spray mixture, the carrying of a heavy, clumsy tank, the frequent cleaning of the nozzle, the arduous labor of hand pumping, and makes spraying a simple, more effective and more pleasurable part of garden work. Complete with 6 cartridges, \$5.00; Sprayer only, \$3.50. 36-in. angle extension, \$1.50. 36-in. straight extension, \$1.50. Extra cartridges, Insecticides, 35c each, 6 for \$2.00. Extra cartridges, Fertilizer, 35c each, 10 for \$3.00, postpaid.

Sub-surface Feeder

This device is a 36-inch pipe or needle perforated at the pointed end. It is attached to the cartridge chamber with a fertilizer cartridge in the chamber for feeding plants at the root foundation. \$1.50, postpaid \$1.60.

RUBBER GARDEN HOSE, REELS, MENDERS, ETC.

MOLDED BRAIDED GARDEN HOSE—It is guaranteed not to break

Continuous length molded, braided $\frac{5}{8}$ -in. Garden Hose in any lengths desired. We have found this Hose to be very satisfactory and can highly recommend this brand. Special, 12c per ft., any length, without couplings. $\frac{3}{4}$ -in., 1 $\frac{1}{2}$ c per ft. more. Couplings 35c extra.

Meyer Enduro No-Kink. $\frac{5}{8}$ -in. hose, 25-ft. lengths, complete with couplings, \$3.50; 50-ft. lengths, \$6.50.

Meyer Erie Cord No-Kink. $\frac{5}{8}$ -in. hose, 25-ft. lengths, complete with couplings, \$2.85; 50-ft. lengths, \$5.25.

Super Grade Brand. $\frac{3}{4}$ -in. hose. The very best Hose obtainable. 18c per ft. Couplings extra.

Aquamatic Nozzle

CUTS WATER-BILL IN HALF

A high-grade water control, opening and closing automatically, by slightly pressing lever with the fingers. Made of heavy cast brass. Fits all garden hose couplings. For washing automobiles; sprinkling lawns, etc. Two nozzles made of cast brass, for solid stream and for sprinkling-can effect. Complete \$2.40, postpaid \$2.55.

Carter Lever Spray Nozzle

No changing of Nozzle necessary; you can get any kind of spray or solid stream by merely turning the knurled nut with the thumb, as shown in illustration above. Can be used on any standard size garden hose. \$1.00, postpaid \$1.15.

Fan Shower Sprinkler



No. 82

For hotbeds, green-houses, gardens, etc. Throws a large, soft, fan-shaped shower.

Heavy cast brass. May be used with Aquamatic nozzle. 50c, postpaid 60c.

Handy Portable Hose Holder

Transforms your regular hose nozzle into a perfect lawn sprinkler. Can be pulled about the lawn from one place to another and is adjustable to any angle. Made of heavy-gauge galvanized steel wire enameled green. 30c, postpaid 38c.

Stationary Hose Holder

This Holder is adjustable to any angle by pushing pointed end into ground at the desired angle. It makes a perfect sprinkler. Enameled green; strong and durable. 15c, postpaid 20c.

Accessories

Smith Brass Spray Nozzle No. 73. Sprinkles like a watering-can. 70c, postpaid 75c.

Smith Hose Nozzle No. 81. Adjustable from a mist to a solid stream. Similar to above. 50c, postpaid 55c.

Boston Nozzles. Combined solid stream and spray. 85c, postpaid 90c.

Brass Twin Y. 60c, postpaid 65c.

Rapid Hose Mender. 15c, postpaid 18c.

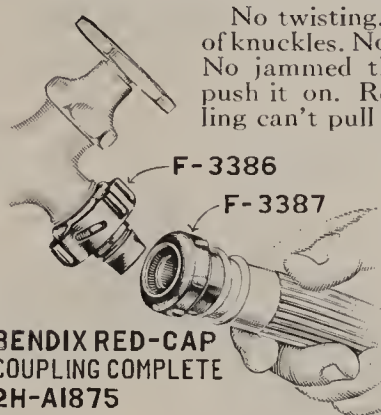
Rapid Hose Coupler. No bands required. 25c per pair, postpaid 30c.

Hose Couplings (Brass). Regular size. 25c per pair, postpaid 30c.

Hose Bands. For $\frac{3}{4}$ -, $\frac{5}{8}$ - and $\frac{1}{2}$ -in. hose. 5c each, 50c per doz., postpaid 55c.

Hose Washers. Rubber. 10c per doz., postpaid 12c.

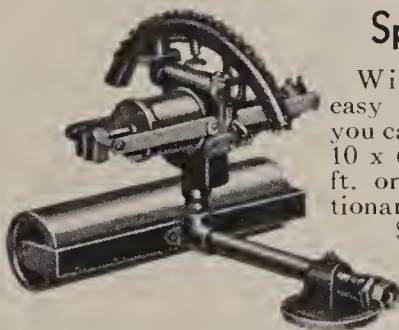
Red Cap Hose Coupling



No twisting. No bruising of knuckles. No lost washers. No jammed threads. Just push it on. Red-Cap coupling can't pull apart. Complete, 60c, postpaid 65c. Extra faucet end, 25c, postpaid 30c.

BENDIX RED-CAP COUPLING COMPLETE 2H-AI875

Skinner Rain Wave Automatic Sprinkler



With simple, easy adjustments, you can water from 10 x 60 to 60 x 60 ft. or have a stationary Sprinkler. \$35.00, postpaid \$35.25.

Estimates cheerfully furnished on the Skinner Irrigation System.

Double Rotary Sprinkler

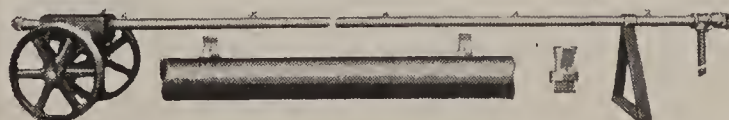
Next Best to Rain

This is the original Double Rotary Sprinkler used by golf courses, parks, cemeteries, institutions, and large estates.



Distributes water like gentle rainfall. It sprinkles uniformly any circular area up to 80 feet in diameter—more than 5000 square feet—depending on city water pressure. Easily adjusted to cover areas down to 15 feet in diameter. A big water-saver. \$12.50 postpaid, \$12.70.

Junior Model with adjustable nozzle. \$7.65.



Border Mist Sprinklers

Will spread their mistlike spray over a space 16 feet wide by 16 feet long, or can be narrowed down to even 30 inches in width. The ideal Sprinkler where 1-way watering is desired. Total length, 15 ft. Weight, 20 lbs. \$12.50, f.o.b. Baltimore.

Lawn Mist. Made in senior or junior sizes. Covers a width of 16 feet. Constructed like Border Mist, except nozzles, which spray both ways. Senior size, \$12.50 and Junior size, \$8.00, f.o.b. Baltimore.

Mist-O-Spray

For the 25-ft. garden hose place a set of 3 Mist-O-Spray units at intervals of 8 ft.; for 50-ft. hose, place 5 units at intervals of 10 ft. Set of 3 units, \$2.00 per set, postpaid \$2.10. Complete with 25 ft. of hose, ready for use, \$4.70, postpaid \$4.90.

March's Ace Sprinkler

Has brass nozzles which are completely adjustable from the finest cone spray to a long-distance stream reaching 40 feet and watering a 75-foot circle. \$1.25, postpaid \$1.37.



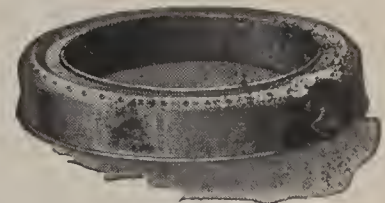
Broadway Sprinkler



Will sprinkle a circle 95 feet on a pressure of 35 pounds. Adjustable for speed. On skid base, \$15.25; on roller base, \$16.50. For postage add, 25c to each.

Fountain Sprinklers

Made of heavy brass. 85c, postpaid 95c.



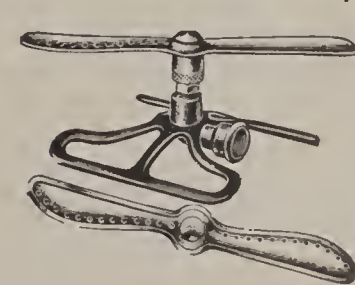
Half-Circle Sprinkler. 65c, postpaid 75c.

The Peacock Lawn Sprinklers

The Peacock Sprinkler is 12 $\frac{1}{2}$ feet long and can be used singly or in tandem. Covers a space 15 x 50 feet. \$15.00, f.o.b. Baltimore.

The Peacock Jr. is 7 feet long. A smaller Peacock. \$8.50, f.o.b. Baltimore.

Aero Mist Sprinkler



The Aero Mist has a brass top and cast-iron base. The spray is mistlike in texture and covers a large area. Can be operated on any kind of pressure without adjustment. \$1.10, postpaid \$1.25.

JACOBSEN POWER MOWERS

A Mower for every purpose. Demonstration to prospective buyers. Illustrated and descriptive Catalog on request

ALL PRICES F. O. B. FACTORY

The New Lawn Queen



With solid rubber tires. 20-in. cut; $\frac{3}{4}$ horsepower.

Price, \$87.50

The New Lawn King



With pneumatic traction wheels. 24-in. cut; 1 horsepower.

Price, \$185.00

The Sturdex

With pneumatic traction wheels. 20 and 24-in. cut; 2 horsepower.

PRICES

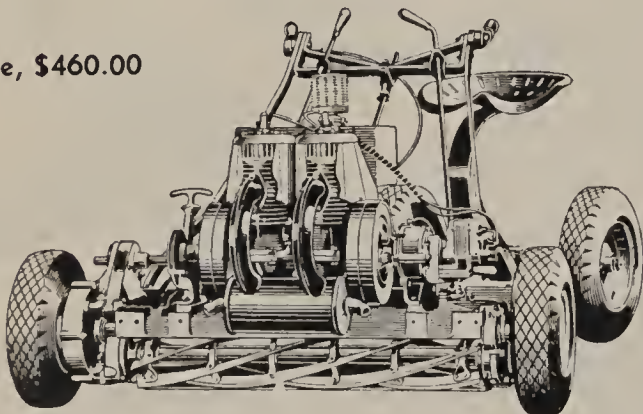
20-in. . . . \$225.00

24-in. . . . \$255.00



The New 32-Inch Heavy-Duty Mower with Twin Motor with Sulky

Price, \$460.00



Most suitable for large expanses of lawn. 4 horsepower; with pneumatic traction wheels. \$425.00.

Gang Attachment. Includes hitch and 2 20-in. power-driven side units. \$125.00.

Rubber-tired Riding Sulky. \$35.00.

Wheel Type Models

Lawn Queen. 20-in. cut.....	\$87 50
Simplex. 20-in. cut; 1 horse power;pneumatic tires	150 00
Lawn King. 24-in. cut.....	185 00
Sturdex. 20-in. cut.....	225 00
Sturdex. 24-in. cut.....	255 00
Heavy Duty. 4-acre; 24-in. cut.....	305 00
Heavy Duty. 4-acre; 30-in. cut.....	330 00
Twin Heavy Duty. 32-in. cut.....	425 00
Motor Scythe. 48-in. cut, equipped with pneumatic traction wheels.....	275 00

Partial List of Jacobsen Power Mower Users—

White House	Washington, D. C.
U. S. Soldiers Home.....	Washington, D. C.
U. S. Veterans Bureau.....	Washington, D. C.
Mt. Vernon	Mt. Vernon, Va.
Gold Dust Corporation	Baltimore, Md.
Calvert Distillery.....	Relay, Md.
Museum of Art.....	Baltimore, Md.
St. Charles College.....	Catonsville, Md.
Parkview Cemetery.....	Parkville, Md.
St. Thomas Church.....	Owings Mills, Md.

Also hundreds on private estates

The 4-Acre Heavy Duty Mower

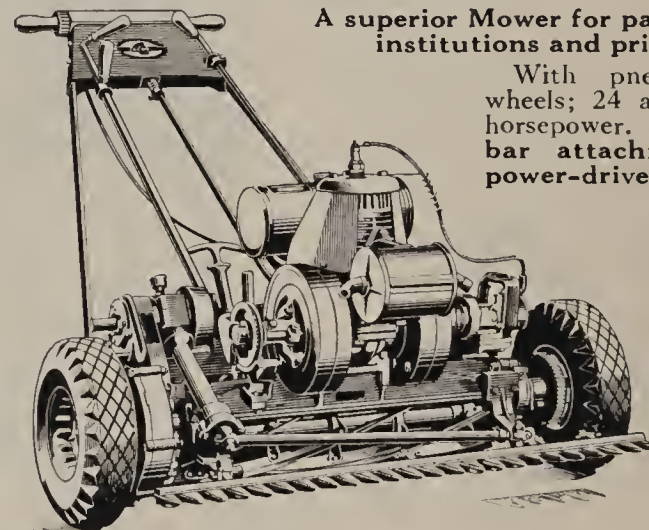
A superior Mower for parks, cemeteries, institutions and private estates

With pneumatic traction wheels; 24 and 30-in. cut; 2 horsepower. With the sickle-bar attachment, the new power-driven trimmer unit and the riding sulky, 4-Acre remains the most adaptable and most efficient Power Mower for meeting diverse conditions with a single machine.

24-in., \$305.00

30-in., \$330.00

Sickle-bar Attachment...\$75 00



Motor-driven Trimmer. 20-in. cut..... 65 00

Roller Type Models

Estate. 20-in. cut. Rubber-covered traction roller.....\$170 00

Estate. 24-in. cut. Rubber-covered traction roller..... 295 00

Estate. Standard 30-in. cut. Rubber-covered traction roller. 345 00

Grass Catchers. For all models. Prices on request.

McMillan Ring-Free Motor Oil

Will reduce the normal wear of a motor by one-half because of the combined qualities of greater film strength, higher heat resistance, longer cling to metal, faster penetration. Removes carbon and is not corrosive. Qt. 35c, postpaid 45c; 5 qts. \$1.75, postpaid \$1.95; 5 gals. \$7.00.

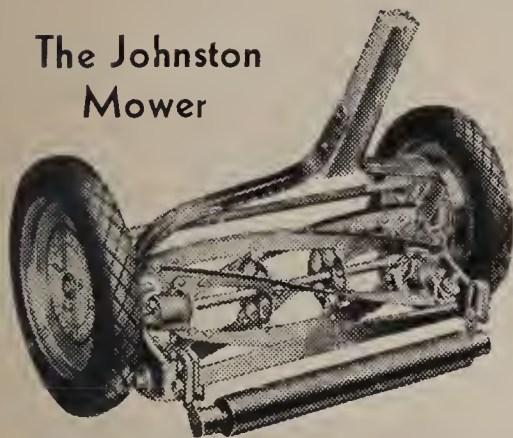
SERVICE DEPARTMENT

Our Service Department is thoroughly equipped with the most modern machinery to give prompt and efficient service by our skilled mechanics. We repair, sharpen or adjust any model power or hand Mower. All work called for and delivered. Get our estimates on your requirements.

M.-S. RELIABLE LAWN MOWERS, ETC.

Our Mowers Must Give Results

The Johnston Mower



**Pressed steel construction, not cast-iron or cast steel. Light in weight. All wear-
ing parts hardened**

A six-year-old boy can run it

The rigid steel cutter bar with its rigid die steel knife will not give under cutting pressure like a less rigid bar with a spring steel knife. The grass cannot wedge between, so it is not necessary to back up and get a new start every few feet. Johnston pressed steel Lawn Mowers are more expensive to make because of the quality and accuracy built into them, the very properties which make them efficient, long-wearing, and easy-running Mowers, yet they cost no more than good cast Mowers. Especially recommended for estates, golf courses and cemeteries. **Style A** has 5 blades; **Style C** has 4 blades. Either style, 16-in. cut, \$17.50; 18-in. cut, \$18.00.

Style AR or CR. With solid cushion rubber tires.

16-in. cut.....\$19 50
18-in. cut..... 20 00

Grass Catchers



Easy-Emptying. Designed to fit any size or style of Mower. Made of strong canvas and galvanized iron bottom.

No. 550H. 12 to 16-in., 90c, postpaid \$1.00
No. 560. 16 to 20-in., \$1.00, postpaid \$1.15

Economy. A good make, but lighter than the Easy. Construction similar. Fits any mower from 12 to 16-in.

No. 1508H. 75c, postpaid 85c.

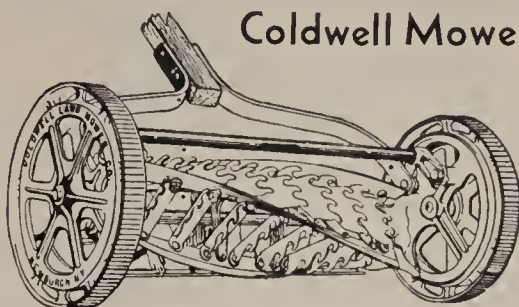
M.-S. Lawn Mower Sharpener

Will give a uniform bevel, the Sharpener following the twist of the knife. 50c, postpaid 55c. Extra files 25c, postpaid 30c.

Household Lubricant

A splendid oil for lawn mowers. Can 25c, postpaid 30c.

Coldwell Mowers



MOKLEEN CHIEF

A first-quality Lawn Mower with a simple device designed to draw weeds into a position to be cut by the revolving knives. This insures the cutting of weeds and other high grasses not readily cut with the average hand mower. A weed-cutter and Lawn Mower in one machine at no higher price than a standard quality Lawn Mower. Equipped with 10-in. wheels; 4 blades; ball-bearing. 16-in. \$15.75.

MOKLEEN CHAMPION DE LUXE

Same as above, but equipped with pneumatic tires. \$21.50.

COLDWELL'S SUBURBAN (Rubber-Tired)

A popular-priced, high-grade Lawn Mower of unusual quality with modern features. It is quiet and easy running. Especially suitable for use in cities and suburbs. This Mower has pneumatic tires, rubber-covered guard roller, and ball bearings in the roller hanger. Lightest running; strongest built. Wheels, 10 in.; 5 blades. Ball-bearing. Material and finish, highest class. 16-in., \$16.00.

COLDWELL'S AMBASSADOR

A high-grade ball-bearing Mower at a medium price. Light and easy to handle. Has large, revolving cutter and high frequency. 10-in. drive wheel; 5 blades; excellent finish.

14-in. cut.....\$16 25
16-in. cut..... 17 25
18-in. cut..... 18 00

COLDWELL'S TRIMMER

For trimming and edging walks, etc. 8-in. cut, \$8.00.

COLDWELL'S IMPROVED HORSE LAWN MOWER

All steel; complete with shaft, seat, and side draft. \$150.00, f.o.b. Baltimore, Md.

Service Department

Our Service Department is thoroughly equipped to give prompt and efficient service. We repair, sharpen, or adjust any model power or hand mower. All work called for and delivered.

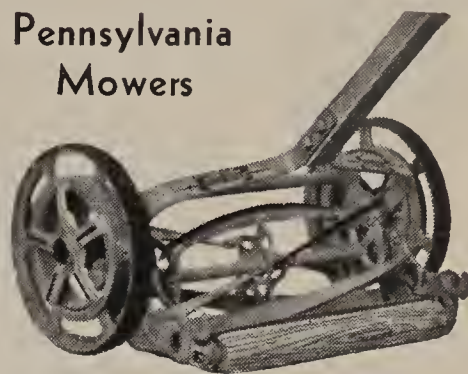
LAWN-MOWER REPAIRING— HAND AND POWER

We have an up-to-date shop equipped with all of the latest machinery and superintended by experts enabling us to take care of repair jobs of any kind on either hand or power Lawn Mowers. We will call for and deliver work on short notice. Our men are interested in Lawn Mowers and we are sure their work will please you. Won't you give us an opportunity to prove this?

Recommendation

MR. H. S. ANDREWS, of 4020 Lewiston Ave., writes: "The Mower you repaired for us is now better than ever. We were ready to throw this Mower away."

Pennsylvania Mowers



PENNSYLVANIA JR. HIGH WHEEL MOWER

Five blades, crucible steel, oil-hardened and tempered, extra wide. Raised edge bottom blade. Self-aligning ball bearings, hardened steel cup and cones, screw adjustment with positive lock. Three machine-cut gears on both sides, in dirt-proof housings. Two steel pawls in each wheel. 10-inch wheel.

15-in. cut....\$20 95 | 19-in. cut....\$24 85
17-in. cut.... 22 95 | 21-in. cut.... 26 85

TINY TIM MOWER

Ball-bearing; 8-in. wheels; 4 blades; automatic spring adjustment on cones; spring steel lower blade.

12-in. cut....\$7 00 | 14-in. cut....\$7 25

BLUE DIAMOND MOWERS

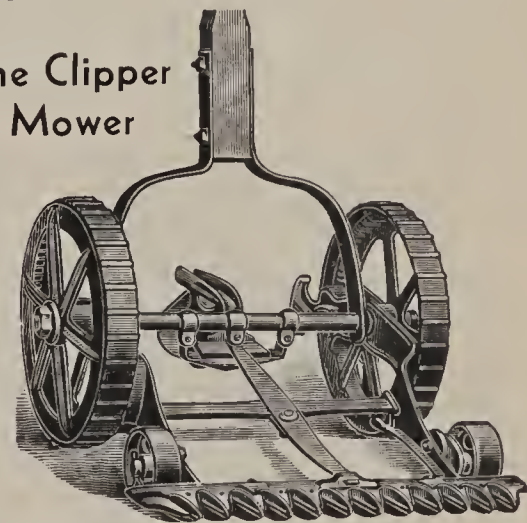
Ball-bearing; 10-in. wheel; 5 blades; automatic spring adjustment on cones; spring-steel lower blade.

14-in. cut....\$8 25 | 18-in. cut....\$9 00
16-in. cut.... 8 50

PENNSYLVANIA BALL-BEARING TRIMMER AND EDGER

Is a very high-class tool for trimming and edging along walks, walls or flower-beds, where the regular lawn mower cannot be used successfully. 8-in. solid wheel on right side only. 6-in. cut, only \$10.00.

The Clipper Mower



The Mower that is worth its weight in gold to the one who has a lawn with buck plantain summer grass, dandelions and crab grass in it. The Clipper will cut them.

No. 1. 12-in. \$10 50 | **No. 3.** 18-in. \$13 00
No. 2. 15-in. 12 00 | **No. 4.** 21-in. 15 50

The Bendix Mowerake

Gently combs, disentangles, and lifts up grass and weeds for smooth, even cutting. Prevents reseeding of low-growing, lawn-destroying grasses and other annual weeds. Mowerake is all steel. The tines are flexible, strong, and protect mower blades from sticks, stones and bones.

14 to 16-in.....\$1 85 | Postpaid \$1 95
18 to 20-in..... 2 00 | 2 10

Rubberized Work-Gloves



No. 9012. Will keep your hands warm and dry. Can be used in handling any kind of liquid, spray solutions, spraying, car washing, etc. Gives complete protection to the hands. Pair 40c, postpaid 45c; 2 pairs 75c, postpaid 85c.

No. 3002B. Ladies' size. Pair 35c, postpaid 40c; 2 pairs 65c, postpaid 70c.

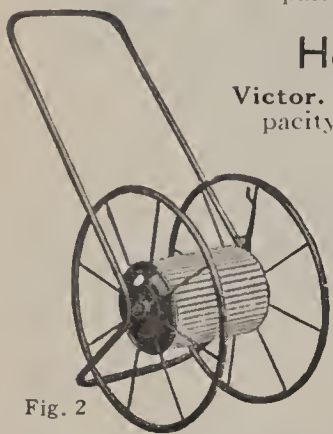
Hose Reels

Victor. All steel. Capacity 75 ft. \$1.50.

No. 10 Tubular Hose Reel. Capacity 100 ft. \$4.80.

No. 20 Tubular Hose Reel. Capacity 150 ft. \$5.40.

Hose Reels not available.



The New Double Real Reel

The only portable Reel that can be connected to the faucet, and as much or as little hose unreeled as needed. Capacity, 125 ft. of 5/8-in. hose, 100 ft. of 3/4-in. hose. \$4.50.



Rustic Bird-Houses and Feeders

These Bird-houses are very artistic in design and unique in rustic construction. They are the kind birds will use and will enhance the surroundings of any home. When ordering, specify the kind of birds the houses are intended for.

Wren Houses. No. 35, 50c; No. 30, \$1.00; No. 6, \$1.50; No. 1, \$1.85; No. 2, \$2.00.

Bluebird Houses. No. 36, 75c; No. 81, \$1.00; No. 7, \$2.00; No. 4, \$2.50; No. 24, \$6.00.

Robin Shelter. \$1.85.

Chickadee House. \$2.50.

Martin Houses. Any size, \$1.00 per compartment.

Suet Feeder and Robin Shelter No. 21. \$1.00.

Seed Feeders. No. 104, \$2.50. No. 116, 85c.

Window Feeders. No. 12. For attaching to sill. \$1.25, postpaid \$1.40.

Weathervane Feeders. No. 106, \$3.85; No. 107, \$5.00; with glass sides, \$5.50.

Combination Shelter and Feeder No. 110. \$2.25.

For Parcel Post add 10c to each, except Martin Houses and Weathervane Feeders, sent by express only. Send for circular of complete line.

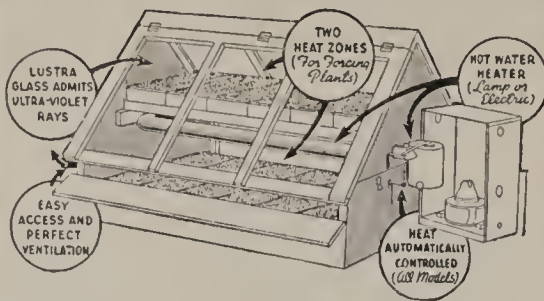
Rubbish Consumers

Burns waste paper, rubbish, and all combustible materials without scattering and without danger from fire. Extra-heavy hot dipped galvanized material; drop handles.

No. 33. Height 28 in.; diam. 16 5/8 in. Weight, 9 lbs. \$3.85.

No. 44. Height 33 1/4 in.; diam. 20 in. Weight, 12 lbs. \$5.00.

Portable Home Greenhouse



Thousands of home gardeners, nurserymen, florists and truckers are replacing their hotbeds or coldframes with this portable greenhouse. No longer will they depend on the uncontrolled heat of hotbeds or the lack of heat of coldframes.

These plant starters have controlled hot-water heat, thermostatically controlled.

Model No. 1. 18-flat size, 31 x 41 in. and 26 in. high. Oil type, \$26.00; Electric type, \$28.00 complete. Weight, 85 lbs.

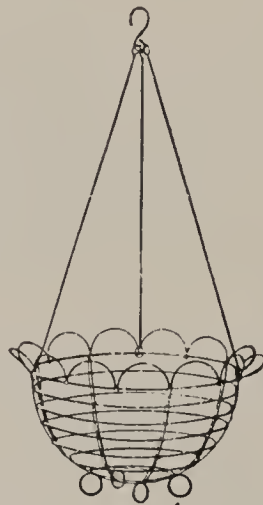
Model No. 2. 30-flat size, 31 x 67 in. and 26 in. high. Oil type, \$33.50; Electric type, \$35.50 complete. Weight, 125 lbs.

Redwood Flats. 13 x 5 1/2 in. and 2 1/4 in. deep. 15c, postpaid 23c.

Wire Hanging-Baskets

Help make the city beautiful by installing wire hanging-baskets and window-boxes filled with beautiful flowers. Made of good heavy wire. Painted green. See illustration.

Baskets. 8 in., 25c; 10 in., 35c; 12 in., 45c. Parcel Post, add 10c each.



Wire Hanging-Basket

Wall Nails

For fastening climbing vines. Equipped with a soft metal clasp which holds the vine against the wall. 1-in., 45c per doz., postpaid 50c; \$2.75 per 100, postpaid \$2.85. 1 1/2-in., 60c per doz., postpaid 65c; \$3.75 per 100, postpaid \$3.95. 2-in., 75c per doz., postpaid 85c; \$4.50 per 100, postpaid \$4.75.

Shrubby Protector

TO KEEP DOGS AWAY

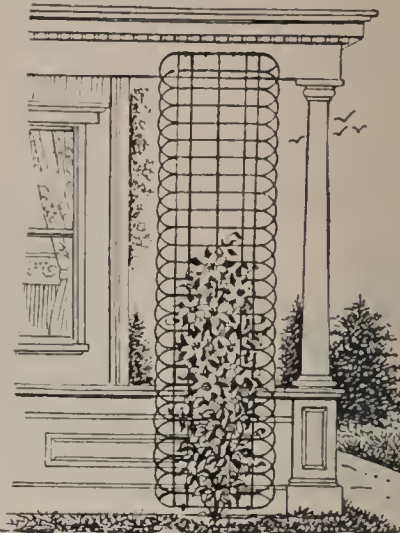
Each Protector has 3 prongs spread out to protect 2 1/2 lineal feet of shrubbery; inconspicuous and inexpensive. 20c each; \$1.95 per doz., postpaid \$2.05.



Electric Welded Flower-Bed Guard

Fits any shape or size of flower-bed. No posts required. Cut to any length. Bottom of pickets left straight to be inserted in the ground. Made in 3 heights. Per lineal foot: 16-in., 7c; 22-in., 8c. Not welded, 28-in., 9c. Not available.

Wire Trellis



Cut to any length; fits any porch. The most inexpensive practical trellis made. Furnished in 3 widths. Per lineal foot: 18-in., 9c; 24-in., 10c; 30-in., 11c. Not available.

Hotbed Mats, Sash and Glass

Hotbed Mats. Burlap-covered. 40 x 76 in. size, covers 1 sash, \$1.75; 76 x 76 in. covers 2, \$2.75. Special prices in quantity. Express or freight.

Hotbed Glass. Box of 90 panes, 8 x 10 in., \$2.75; less than box lots, 5c per pane. Price subject to change. Express or Freight.

Hotbed Sash. Made to hold either 24 or 28 8 x 10-in. panes. These Sashes are grooved so that the panes slide in and butt one against the other. \$1.75. Price subject to change. Express or Freight.



Thermometers

Dairy Thermometer. Floating. 30c, postpaid 35c.

Household Thermometer. 60c, postpaid 65c.

Hotbed Thermometer. Brass point. \$3.00, postpaid \$3.10.

Self-regulating Hothouse Thermometer. No. 5452. Best grade. \$7.00, postpaid \$7.10.

No. 5454. Economical. \$4.50, postpaid \$4.60.



Fig. 22

Putty Bulbs. Fig. 22. For applying liquid putty. \$1.50. Parcel Post weight, 1 lb.

Peerless Glazing Points Nos. 2 and 2 1/2. The finest glazing points on the market. Box of 1000, 75c. Parcel Post weight, 1 lb.

Mastica Machine. For distributing Mastica, etc. Made of heavy zinc. \$2.75 (by mail, 10c extra).

Mastica. For glazing greenhouses. One gallon will cover about 300 running feet. Gal. \$2.25. Weight, 18 lbs.

Twemlow's Old English Glazing Putty. Gal. \$2.35. Weight, 18 lbs.

Mole Trap

Little Giant. Self-setting. \$1.00, postpaid \$1.10.

Olmstead. \$2.00, postpaid \$2.15.



PLANET JR. TOOLS

Planet Jr. Catalogue
on request



**No. 4 Seeder
and Cultivator**

This tool combines a first-class hill-dropping Seeder, a perfect Drill Seeder, a single Wheel Hoe, a Cultivator and a Plow. It holds 2 quarts and sows in continuous rows, or drops in hills. Weight, 50 lbs. \$18.75.
No. 4-D (As a seeder only). Weight, 40 lbs. \$14.75.

No. 25 Seeder, Double and Single Wheel Hoe

As a Seeder this tool is the same as No. 4 described above but when used as a Cultivator it can be set up either as a Double or Single Wheel Hoe. Weight, 47 lbs. \$22.50.

No. 300-A Drill Seeder

Adapted for beans, corn and peas. Capacity, 4 qts. Weight, 55 lbs. \$20.00.

No. 35 Seeder Attachment

Drills almost any kind of garden seed from the smallest up to peas and beans. Weight, 10 lbs. \$5.75.

No. 22. Jiffy Seeder. An accurate Seeder for the small garden. No wasting of seed. \$9.00, postpaid \$9.50.

"Firefly" Garden Plow

For small gardens. Will throw a furrow 4 to 6 inches wide. Weight, 14 lbs. \$4.50.

Double and Single Wheel Hoe

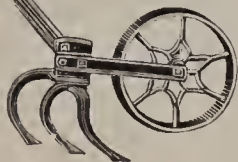
No. 12. Straddles crops 20 inches high. Can be worked between rows with one or two wheels. Weight, 33 lbs. \$11.50.

No. 11. Like the above, but in addition has one pair 4½-inch hoes, two 3-tooth rakes, and two 5-tooth rakes. Weight, 39 lbs. \$14.50.

No. 13. Equipped with only one pair of 6-in. hoes. Weight, 28 lbs. \$8.75.

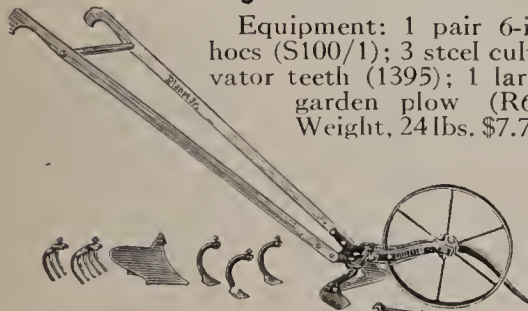
Jiffy-Hoe

As illustrated \$1.60, postpaid \$1.76. Extra plow attachment 60c, postpaid 75c. Scuffle blades same price as plow.



No. 17 Single Wheel Hoe

Equipment: 1 pair 6-in. hoes (S100/1); 3 steel cultivator teeth (1395); 1 large garden plow (R6). Weight, 24 lbs. \$7.75.

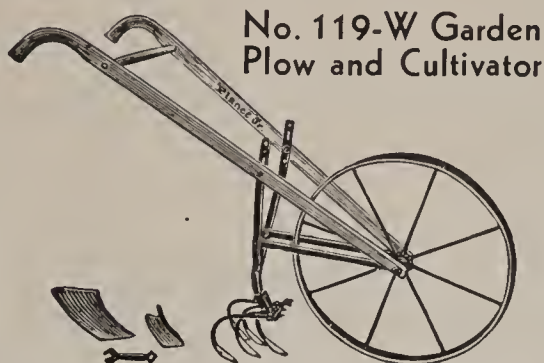


No. 16 Single Wheel Hoe. Weight, 25 lbs. \$8.75.

No. 17½. Equipped with hoes and leaf-lifter. Weight, 21 lbs. \$6.75.

No. 18. Equipped with only one pair 6-in. hoes. Weight, 19 lbs. \$5.75.

No. 19. Similar to above, but has higher wheel (15-in.), equipped with cultivator tooth, sweep-plow and 5-pronged cultivating attachment. Weight, 21 lbs. \$4.95.



**No. 119-W Garden
Plow and Cultivator**

This new member of the Planet Jr. family is equipped so completely that it will meet all the needs of the ordinary garden. Weight, 17 lbs. Complete \$4.20.

No. 219. Same as above, with fertilizer attachment. Weight, 25 lbs. \$10.50.

No. 215. Fertilizer attachment. 8 lbs. \$6.95.
Five-pronged Attachment. 85c, postpaid 95c.

No. 119. Same as 119-W, but has 3-pronged cultivator and hoe, instead of 5-pronged attachment. Weight, 17 lbs. \$3.85.

Star Pulverizer and Cultivator

The star discs break up, pulverize and level the soil. Weight, 6 lbs. \$2.50.

No. 220 Fertilizer Distributor

One-bushel capacity. Will distribute from 200 to 2000 pounds of fertilizer to the acre. \$28.75. Send for special circular.

No. 100-D Plain Cultivator

It will stand hard usage and do excellent work. Easy to handle and adjust. \$7.25.



**No. 100-D
Cultivator
with Cast
Wheel.
\$3.50**

No. 107-D. Similar to the No. 100-D, but has 7 teeth and lever expander. \$10.50. With wheel, No. 107, \$11.75.

No. 4-D. Plain Cultivator. Like No. 100-D, but heavier. Less wheel. \$8.50.

Sowrite Seed Sower

Sows seeds at a touch; it scatters seeds individually, prevents crowding and choking of the seedlings when coming up. Sows either flower or vegetable seeds. 50c, postpaid.

Cahoon Seed Sower

Sows timothy, clover, oats, wheat, rye, etc. \$5.00, postpaid \$5.25. Fig. 8.

Cyclone Seed Sower

Practical and all-round, first-class grain and grass seeder. \$2.50, postpaid \$2.65.

Horn Seed Sower

95c, postpaid \$1.05

Thompson's Clover and Grass Seeder

Sows 14 to 16 feet wide, any amount desired per acre.

Will sow 20 to 25 acres per day.



This Grass Seeder is simple, without gearing, cams, or intricate machinery. It cannot get out of order. Perfection feed is attained in making it absolutely positive, yet a non-leaking carrier, when thrown out of connection. The quantity of seed to the acre is shown by index plate.



It is strong, yet weighs but 40 pounds.

No. 1. 16-ft., single hopper. \$18.00.

No. 9 Plain Cultivator With Lever Expander

Equipped with 4 3 x 8-in. Cultivator Steels and 1 4 x 8-in. Cultivator Steel. Tool is adjustable to width.

No. 9. With steel wheel, \$12.00; without wheel, \$10.50.

No. 4 Horse Hoe and Cultivator

With steel wheel, \$11.50; without wheel, \$10.00.

No. 9 Horse Hoe and Cultivator

Identical with the above, but has lever expander. With steel wheel, \$13.75; without wheel, \$12.25.

No. 7 Horse Hoe and Cultivator

Same tool as No. 4 and No. 9 but is also equipped with depth-regulating lever wheel. \$14.50.

12-Tooth Harrow Cultivator and Pulverizer

No. 90. Complete, \$16.50.

No. 90-B. Without pulverizer, \$13.50.

No. 90-D. Without pulverizer or wheel, \$10.75.

Cultivator Teeth. 1¼ x 8 in. Steels, 18c; 1¾ x 8-in. Steels, 19c; 2¼ x 8-in. Steels, 20c; 3 x 8-in. Steels, 22c; 4 x 8-in. Steels, 28c.

No. 2539. 7-in. Shovel Steels. 40c.

No. 2540. 8-in. Shovel Steels. 45c.

No. 3580/1. 6-in. Turning Shovels. Pair 85c.

Bolts for all Cultivator Teeth, 5c.

Spike Tooth Harrow (All Steel)

The original All-Steel Spike Tooth Harrow which has never been equaled for genuine satisfaction.

No. 14-A. 50 teeth; 2 sections. Cuts 7½ ft. \$19.40.

Spring Tooth Harrow (All Steel)

For destroying weeds this Harrow stands supreme. A heavy-duty Harrow, especially designed for conditions that require exceptional strength.

No. 5-SPB. 15 teeth; 2 sections. \$23.75.

No. 7-SPB. 17 teeth; 2 sections. \$25.45.

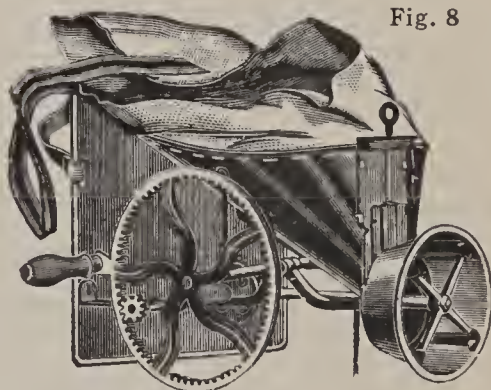
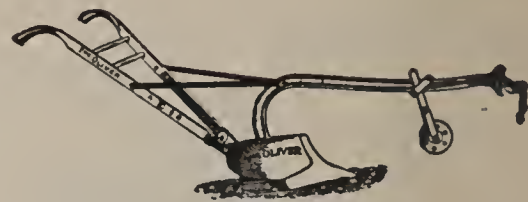


Fig. 8

OLIVER PLOWS AND REPAIRS

	Wood Beam Plow	Steel Beam Plow	Shares	Slip Shares	Lands	Mould- boards
No. AC-2.....		\$12 50	\$0 28	\$0 37	\$0 50	\$1 40
No. BC-N.....	\$15 50	16 00	35	50	65	1 70
No. 10-N.....	18 00	18 00	40	55	70	1 95
No. 13-N.....	20 00	20 00	50	65	90	2 65
No. 19-N.....	21 00	21 00	55	68	1 05	3 25
No. 20-N.....	23 00	23 00	60	72	1 10	3 40
No. E.....	27 50		70	82	1 15	3 80
No. 40-N.....	26 50	26 50	70	82	1 15	3 80



Prices for Plows include extra Share and Wrench. The following are extra: Wheel, complete, for Steel Beam Plows AC-2 to 13-N, \$1.95; from 19-N to 40-N, \$2.50; for Wood Beam Plows BC-N to 13-N, \$1.65; from 19-N to 40-N, \$2.75. Jointer, complete, \$4.50.

State if Wood or Steel Beam.

Single Handles, \$1.00 each. Round, 25c per pair. Steel Beam Handles, complete up to 10-N, \$2.35; Wood Beam, \$2.30. For 13-N and above, Steel Beam, \$3.00; Wood Beam, \$3.20.

Boss Plows and Repairs

PLOWS

1 Rig, complete.....	\$7 50
2 Rig, complete.....	8 50
3 Rig, complete.....	9 50
4 Rig, complete.....	10 50

MOULDBOARDS

Cabbage.....	\$0 35
1½ and 2.....	70
2½ and 3.....	85
No. 20.....	1 35
Board and Share.....	3 00
Double Shares.....	1 00

SHARES

Cabbage.....	\$0 35
1½ and 2.....	40
2½ and 3.....	45
No. 20.....	55

MISCELLANEOUS

Landsides.....	\$0 60
Cleives.....	40
Bolts (All).....	05
Standards.....	2 75
Handles, Complete.....	1 50
Handles, Single.....	65
Beams.....	1 00

Chattanooga Plow and Repairs

No. 65. 2-Horse R. H. S. Beam Plow,	
Plain.....	\$20 00
With Wheel and Jointer.....	26 50

SHARES

No. 65 Solid.....	\$0 60
No. 65 Slip.....	78
Extra Slips.....	15

MISCELLANEOUS

Landsides.....	\$1 10
Jointer Pt.....	35
Mouldboard.....	3 15

Barker Jr. Weeder

Baby No. 6. The best small garden weeder and mulcher on the market. The very low price makes it attractive. Weeds and mulches a strip 6 inches wide. \$7.25.

No. 8½ Barker Jr. Weeds and mulches a strip 8½ inches wide. Has leafguards and 3 shovels. \$7.95.

The Barker Weeder

No. 10-D. Strong and most useful size. Lower knife cuts 10-inch strip. Favorite for large gardens and with truck growers. Equipped with leafguards and 3 shovels. \$10.60.

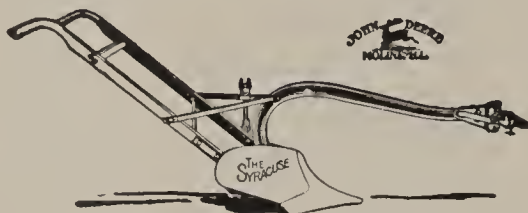
No. 11-D. Especially adapted for use where rows are 15 inches or more apart. Weeds and mulches 11-inch strip. Has leafguards and 3 shovels. \$11.75.

No. 12-D. Best size where rows are 2 to 3 feet apart. Weeds and mulches a strip 1 foot in width. Has leafguards and 3 shovels. \$12.60.

Barker Weeders not mailable

RUBBERIZED WORK GLOVES. For all kinds of farm work, particularly in wet weather. 40c per pair. See page 54.

Syracuse Plows and Repairs



ONE-HORSE PLOWS

No. 50. Right; wood beam; light; one-horse; makes furrow 2 to 5 inches deep and 8 to 10 inches wide. \$9.25.

No. 52. Right; wood beam; medium; one-horse; makes furrow 3 to 5½ inches deep and 9 to 11 inches wide. \$14.00.

No. 53. Right; wood beam; heavy; one-horse or light two-horse; makes furrow 3 to 6 inches deep and 9 to 12 inches wide. \$15.75.

No. 1464. Right; steel beam; plain. \$15.75.

No. 1465. Right; steel beam; plain. \$14.00.

Wheel. For 1464 and 1465. \$1.40 extra.

TWO-HORSE PLOWS—Wood Beam

No. 603. Right; wood beam; light; two-horse; makes furrow 4½ to 6½ inches deep and 10 to 12 inches wide. Plain, \$17.00; with Wheel and Jointer, \$22.90.

No. 602. Right; wood beam; medium; two-horse; makes furrow 5 to 7 inches deep and 11 to 14 inches wide. Plain, \$18.50; with Wheel and Jointer, \$24.40.

No. 601. Right; wood beam; heavy; two-horse or light three-horse; makes furrow 5½ to 8 inches deep and 12 to 16 inches wide. Plain, \$20.75; with Wheel and Jointer, \$26.65.

TWO-HORSE PLOWS—Steel Beam

No. 1462. Right; steel beam, similar to No. 602 wood beam Plow. \$18.50; with Wheel and Jointer, \$23.85.

No. 1461. Right; steel beam; makes furrow 5 to 8 inches deep and 12 to 16 inches wide. \$20.75; with Wheel and Jointer, \$26.10.

SYRACUSE REPAIRS

	Mould- boards	Lands- ides	Solid Shares
No. 50.....	\$2 00	\$0 65	\$0 40
No. 53.....	2 90	85	56
No. 603.....	3 80	1 05	55
No. 602.....	3 85	1 10	60
No. 601.....	3 85	1 20	70
No. 1462.....	3 85	1 10	60
No. 1461.....	3 85	1 20	70

Slipshares 15c higher.

Single and Double Trees

Single, 2 hooks, 26 in.....	\$0 55
Single, 2 hooks, 28 in.....	60
Single, 3 hooks, 26 in.....	60
Single, 3 hooks, 28 in.....	65
Double, 36 in.....	1 00
Double, 40 in.....	1 25

Chains, Back Bands, Etc.

Baskets. Galvanized steel. Bus. size, with drop handles. 90c.

Berry Boxes. 1-qt. size, 80c per 100, postpaid 90c.

Prices per 1000 furnished on application.

Trace Chains. 7-ft. straight link, hook, \$1.05, ring type. 95c per pair; postage, 25c extra.

Cow Chains No. 1. Tying out. 20-ft., 75c. No. 00. 30-ft., 90c. Postage 10c extra.

Back Bands. Cotton duck with snaps. 42-in., 50c; 48-in., 75c. Postage 10c extra.

Plow-Lines. Sisal. 14 yds. 50c, postpaid 60c. Cotton. 14 yds. 75c, postpaid 85c.

Fertilizer Distributors



Master's Perfect. A simple and efficient machine that solves the problem of even distribution of fertilizers, grass seed, etc. Shut-off control and adjusting device right on handle.

Home Lawn-Distributor. Capacity, 25 lbs. \$6.00.

M-180. 18-in. width. \$11.00.

M-241. 24-in. width with Double Disc Wheels. \$16.00.

M-361. 36-in. width with Double Disc Wheels. \$22.75.

Vigoro Spreaders

Model B. Width, 14 in. \$3.00.

Junior. Width, 16 in. \$6.30.

Standard. Width, 24 in. \$11.95.

Special. Width, 36 in. \$19.45.

Spreaders not mailable

Acme Corn Planter

This segment Corn Planter is of a very popular pattern, adjustable gauge and seed drop. Can also be used for planting peas and beans. Operation automatic, accurate and easy. \$1.80, postpaid \$2.00.

Red Chief Corn Sheller

(HAND MODEL)

Self-adjusting to any size ear. Weight 12 lbs. \$2.25.

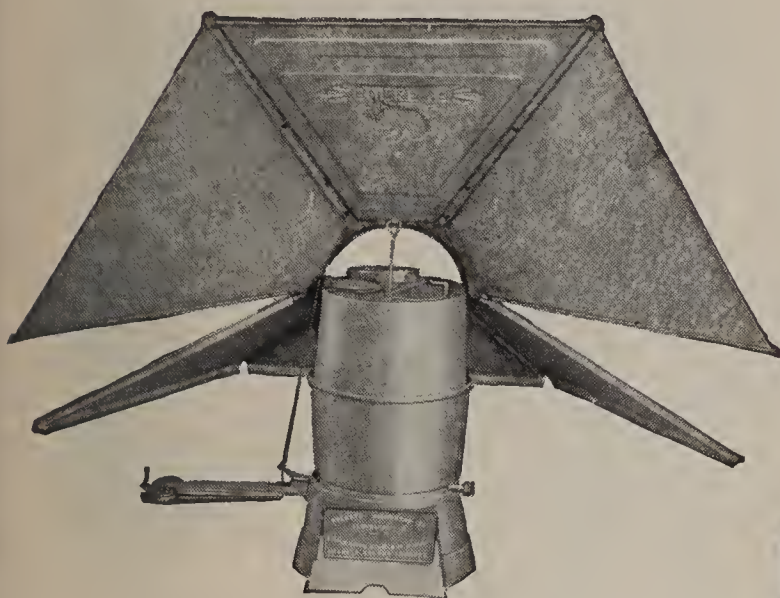


BUCKEYE BROODERS AND INCUBATORS

THE WORLD'S BEST

WE CARRY A FULL LINE OF INCUBATOR AND BROODER REPAIR PARTS

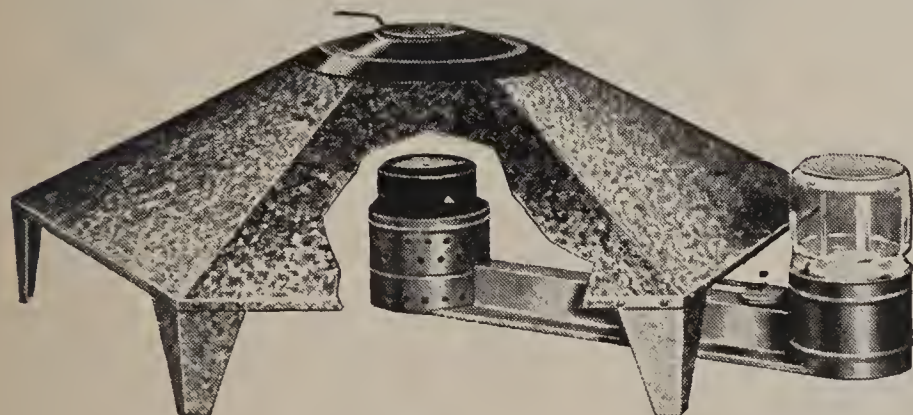
Ace-Coal Brooders



Over two decades ago the Buckeye Coal Brooder came into existence, and from that day on it has been the standard of comparison in Brooder Stoves everywhere. It was scientifically designed and especially built to raise more baby chicks with less work and less fuel—and it did its job well.

The Buckeye Coal Brooder has been constantly improved and today it still holds its place as the leader. This Buckeye Coal Brooder saves time and work, is easy and economical to use, saves more chicks, increases poultry profits.

No.	Diam. Canopy	Coal Capacity	Height	Ship. Wt.	Price
118-A	54 in.	40 lbs.	22 in.	98 lbs....	\$19 50
119-A	62 in.	60 lbs.	25 1/4 in.	126 lbs....	23 00
120-A	62 in.	75 lbs.	29 in.	145 lbs....	26 50



Draft Equalizer

The adjustable Draft Equalizer solves a problem for the user of coal-burning brooders as it helps to maintain a steadier fire on windy days. This prevents the coal burning too fast or wind blowing smoke back down the chimney, causing fire to smother. The added protection given by this simple device can hardly be estimated. The Draft Equalizer is made with either 4 or 5-inch galvanized pipe. 60c, postpaid 70c.

In ordering repair parts, always give number of Brooder Stove and name of part wanted

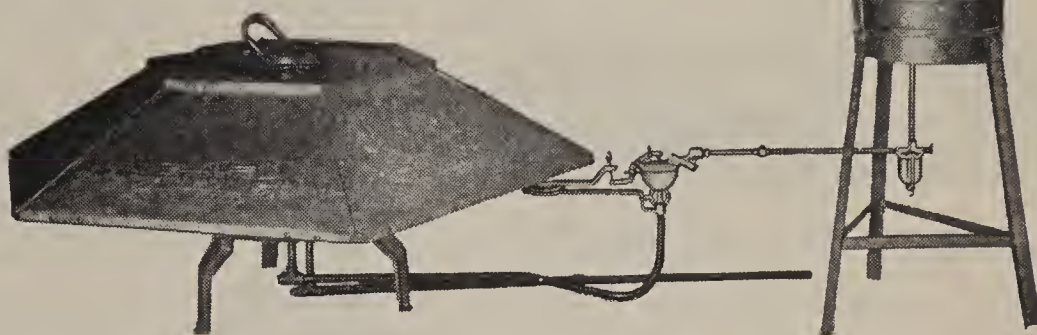
King Oil Brooders

MOST DEPENDABLE BROODERS KNOWN

In this new Buckeye Oil Brooder you will find the most efficient drum-type Brooder on the market today. Buckeye Oil Brooders have always been considered a remarkable value, and are now even better than before.

Every worth-while feature in Brooder construction, to the knowledge of our engineers, has been tried, tested, and approved, and if found worthy, has been included in this remarkable unit.

As always, the heart of this new Buckeye Oil Brooder is in its die cast, constant-pressure oil-regulator, which is absolutely positive in action. It maintains constant pressure of oil to the burner regardless of the amount of oil in the tank. Temperatures do not fluctuate immediately after the tank is filled or when it is practically empty, as is true with many Brooders with less efficient regulator construction.



No. 152.	Oil Brooder.	22 x 8-in. drum, 52-in. canopy	\$21 75
No. 252.	Oil Brooder.	25 x 8-in. drum, 52-in. canopy	23 75
No. 257.	Oil Brooder.	25 x 8-in. drum, 57-in. canopy	25 75
No. 262.	Oil Brooder.	25 x 8-in. drum, 62-in. canopy	26 00

Draft Equalizer and Revolving Wind Deflector are added features at no extra cost.

Even-Heat Brooders

The Buckeye Even-Heat Colony Brooder has unequalled heating power and accuracy of heat regulation.

No. 154.	500 chicks; 54-in. canopy.	Shipping weight, 83 lbs.	\$10 00
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Blue Flame Brooders

A good, sturdily built, automatically controlled Blue Flame Brooder with many outstanding features.

The automatic heat control is positive in action through efficient needle valve, operated by thermostatic brass wafer. Valve body is brass with small by-pass to allow sufficient flow to keep burner from going out.

Giant type burner produces an abundance of heat. Chimney is self-centering, eliminating smoky flames. Burner and oil reservoir rigidly mounted in metal housing. Burner always level. Flame always even on all sides. Can't get out of adjustment.

No. 336.	36-in. canopy	\$10 50
No. 347.	47-in. canopy	11 25
No. 357.	57-in. canopy	12 00

Buckeye Incubators

These small Buckeyes are precision-built machines capable of turning out large percentage hatches seldom realized from incubators of like size

Underwriters' Label on all models, except No. 65, as a warranty against fire hazard.

All Incubators, except No. 65, are now equipped with Automatic Egg-Turners. Only a moment is required to turn all the eggs.

No. 65.	75-egg capacity	\$19 45
No. 66.	143-egg capacity	38 90
No. 67.	286-egg capacity	51 95
No. 68.	416-egg capacity	70 95
No. 69.	576-egg capacity	89 95
No. 1350-37.	Electric. 1350-egg capacity	197 50

The use of a Buckeye Incubator for hatching and a Buckeye Brooder for rearing is the scientific way to hatch more eggs; to rear sturdier birds in shorter time at lower cost; to make more money from your poultry

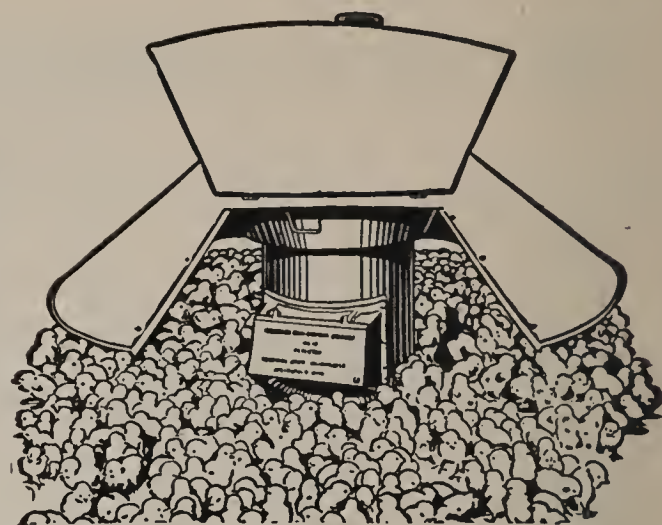
NEWTOWN BROODER

Will Raise Every Raisable Chick—Ask Any Owner

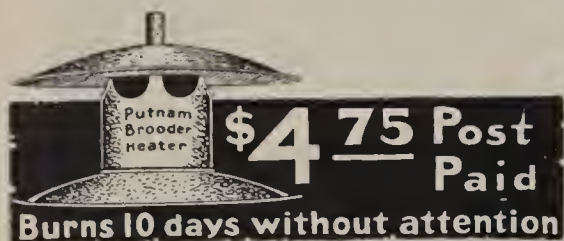
The Newtown Coal-Burning Brooder has the reputation of being the most efficient Brooder made and needs no introduction to poultrymen. It was the first coal-burning, self-feeding, self-regulating colony Brooder put on the market, having been longer in use than any other of its type. It is giving efficient service in every state in the Union and eleven foreign countries, and represents the modern, up-to-date Brooder in the highest form of development. It is durable, easy to operate, safe, economical and labor-saving. There is no Brooder on the market which can be compared in any way to this one. When you think of these features, you can see what Newtown is. It cares for all your chicks regardless of weather conditions. It burns a good grade of soft coal satisfactorily, as well as hard coal. It holds the fire and does not require constant attention. You don't have to get up at night to see if your chicks have enough heat. They're always safe and warm with Newtown.

Model	Weight Crated	Chick Capacity	Coal Capacity	Diam. of Hover	Size of Pipe	Price
No. 11	220 lbs.	Up to 500	43 lbs.	50 in.	4 in.	\$29 50
No. 12	306 lbs.	Up to 1000	62 lbs.	56 in.	5 in.	39 50

In ordering repair parts, always give number of Brooder Stove and name of part wanted, also number on casting.



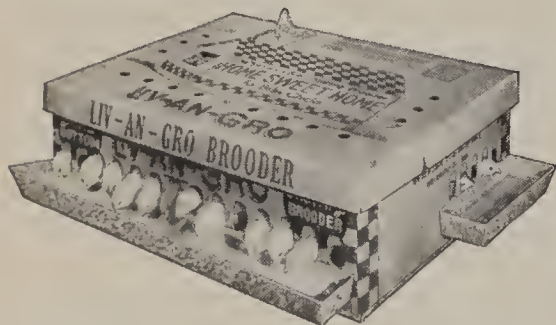
Putnam Brooder Heater



This is used to heat a home-made brooder, which will take the best of care of from 30 to 60 chicks. Instructions for making brooder packed with every Heater.

Improved Liv-An-Gro Brooder

Save 95 per cent of your chicks



Metal feed-pan and water-trough with sanitary 1/2-inch mesh galvanized wire bottom and wire rods for holding wire bottom in place. Both cover and body are of extra-heavy grade of corrugated board with desirable insulating properties. Adjustable guards at feed and water openings.

The electric heater consists of 6 feet of extension cord and one large metal circulation tube to hold electric bulb (bulb is not furnished). In winter, when the room temperature is 65 or 70 degrees, a 40-watt bulb is recommended. \$1.95, postpaid \$2.10.

Buckeye Metal Brooder

This improved-design Brooder accommodates 50 day-old chicks. Inside dimensions, 18 x 22 x 6 inches high. Complete with galvanized dropping-pan. Ideal for starting small lots of chicks. Uses ordinary electric light bulb for heat. Special Electrical Receptacle available.

Thousands use this small-type starting Brooder every year. Made entirely of heavy galvanized steel. Very sanitary. Easy to keep clean. Hardware cloth floor of 1/2-inch mesh. Feeder Trough 22 inches long. Water Trough 18 inches long. Ample size for capacity of Brooder. Troughs easily removed for filling and cleaning. Order 3 Brooders for each 100 chicks to allow for growth.

No. 100-EA. With electrical attachments. Weight, 15 lbs. \$3.15, postage extra.

NOTICE.—Due to the close margin on which baby chicks, eggs, and all livestock is sold, we are obliged to sell this commodity for spot cash only. All orders should be accompanied by cash. One-fourth (25 per cent) of the amount of the order should accompany all orders for baby chicks for future delivery.

Adjustable Roof Saddle



This new Roof Saddle, adjustable to care for any pitch roof, is furnished complete with stack and rain-cap as illustrated. Made for two sizes of pipe, 4 inch and 5 inch. Please specify in ordering which size is desired. Rustproof and rainproof, being made from heavy galvanized iron.

For 4-in. Pipe. Weight, 7 lbs. \$1.50, postpaid \$1.65.

For 5-in. Pipe. Weight, 7 lbs. \$1.50, postpaid \$1.65.

Rain Caps and Wind Deflectors

No. C-284. Rain Cap.

4-in., 25c, postpaid 35c.

No. C-285. Rain Cap.

5-in., 25c, postpaid 35c.

No. RC-284. Revolving

Wind Deflector. 4-in., 75c,

postpaid 85c.

No. RC-285. Revolving Wind Deflector.

5-in., 80c, postpaid 90c.



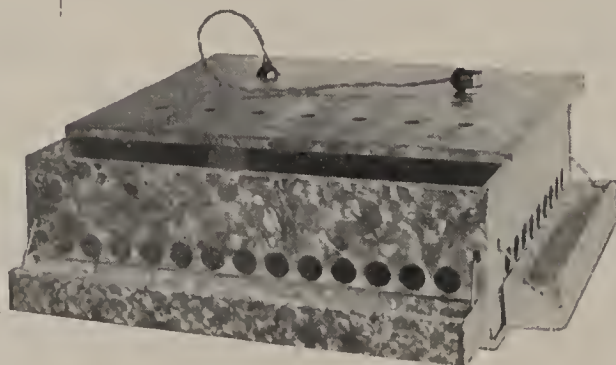
Stove Pipe

	3-in.	4-in.	5-in.
Galvanized. 2-ft. joints.	\$0 23	\$0 25	\$0 30
Black. 2-ft. joints.	18	20	25

Elbows

	3-in.	4-in.	5-in.
Galvanized	\$0 20	\$0 25	\$0 30
Black	18	20	25

Add 10c to the price of each elbow or joint of pipe for postage.



Baby Chicks

Our Chicks Will Please You
Blood-tested for Pullorum Disease

We advise placing orders in advance as the demand for our Chicks is always heavy. Every bird in our breeding flocks has been selected for health, vigor, production and must conform to the type of the breed it represents. Each is blood-tested each year and all unsatisfactory birds are removed at once. Hatches every week after February 1. Prices subject to change.

	25	100
Leghorns, White, Brown, Buff	\$2 75	\$9 00
Rocks, Barred, White, Buff	3 00	10 00
Reds	3 00	10 00
N. H. Reds	3 25	11 00
Wyandottes, White	3 00	10 00
Black Giants	3 25	11 00
White Giants	3 25	11 00

50 at the 100 rate, 1c less per 1000

MAMMOTH WHITE PEKIN DUCK-LINGS IN SEASON. \$5.50 for 25; \$10.00 for 50; \$18.00 per 100.

Incubator and Brooder Repairs

We carry a full line of Buckeye Incubator and Brooder Repairs.

Incubator Wicks. State sizes wanted. 5c each; 50c per doz., postpaid.

Brooder Wicks. No. 20, 30c; No. 30, 50c, postpaid.

Asbestos Wicks. 25c, postpaid.

Putnam Stove Wicks and Holder and Wick. 10c, postpaid.

Putnam Heater Wicks and Holder and Wick. 15c, postpaid.

Incubator and Brooder Lamp Burners. For Buckeye, Cyphers and other makes.

No. 1. Takes 1-in. wick, has large flame. 75c, postpaid 82c.

Nos. 2 and 3. Large size, \$1.00, postpaid \$1.07.

Chimneyless Lamp Burners. 50c, postpaid 60c.

BUCKEYE ELECTRIC BROODERS

IT'S THE FINAL RESULTS IN LIVABLE CHICKS AND ELECTRIC BILLS THAT COUNT



Buckeye Display Processors

PROCESS CHICKS NATURE'S WAY

This improved heater unit with rubber packing pad permits the chicks to actually contact rubber pad. This principle produces natural environment for chicks and can be produced only by this substance which is flexible, non-porous and a non-conductor of heat. The chick must touch its back to the heated rubber pad to obtain the mother-hen temperature. Same principle as applying a hot-water bottle to the tenderest part of the human body.

Copied batteries do not produce these results. There are actually more Contact Brooders in use by hatcherymen, feed stores, and other merchandisers of baby chicks than all others combined. There must be a reason, so investigate this Brooder before you make your decision.

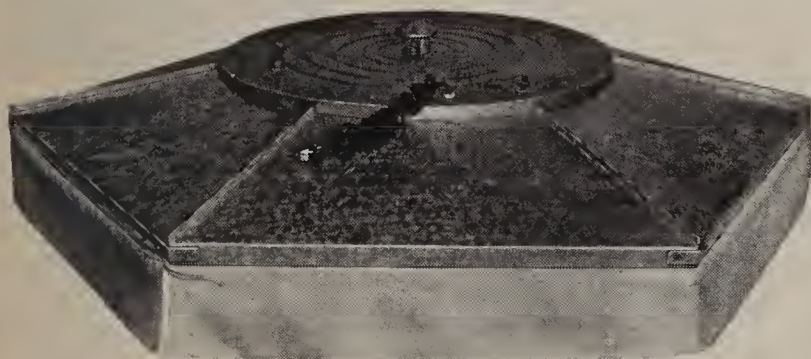
It has many outstanding features found on no other Brooder. Be sure to get details. When you buy "Contact Heat" be sure you get "Contact Heat" and not a substitute.

No. C-200.	1 Deck (200-chick capacity)	\$30 40
No. C-400.	2 Decks (400-chick capacity)	56 40
No. CS-400.	2 Decks with stand (400-chick capacity)	61 60
No. CS-600.	3 Decks with stand (600-chick capacity)	90 50
No. CS-800.	4 Decks with stand (800-chick capacity)	116 20
No. CS-1000.	5 Decks with stand (1000-chick capacity)	141 95

Buckeye Electric Canopy Brooders

The Hexagon Buckeye Electric Brooders are provided with automatic heat regulators which control the current as needed and keep the temperature at the desired range. Pilot light serves as signal when the current is on. Regulating complete with double cloth curtains to retain the heat. Brooder is made of heavy-gauge galvanized steel. Furnished complete with legs, double cloth curtains, automatic regulator, pilot light, thermometer, 8-ft. rubber-covered drop cord. The No. 31 Buckeye is circular center section without hexagon canopy, but with curtain. All Brooders shipped K. D. can be easily assembled.

adjusting screw is on top of canopy. Guaranteed heat element used in these Electric Brooders will be replaced in two years if it burns out or fails to work. Size and wattage of patented heater is properly increased for size of canopy. Circular center sections of these Brooders are well insulated with 1/2-inch disc of suitable insulation material to prevent heat-loss and to conserve current consumption. Heating element mounted on bright galvanized steel deflector. Ventilator tube extends below heater ring and provides fresh air under canopy. Also eliminates moisture and damp litter under canopy. All Brooders are equipped complete with double cloth curtains to retain the heat. Brooder is made of heavy-gauge galvanized steel. Furnished complete with legs, double cloth curtains, automatic regulator, pilot light, thermometer, 8-ft. rubber-covered drop cord. The No. 31 Buckeye is circular center section without hexagon canopy, but with curtain. All Brooders shipped K. D. can be easily assembled.



No.	Description	Canopy Size Inches	Capacity Day-Old Chicks	Heater Wattage	Price
31.	Electric Brooder	28 (Round)	85-100	250	\$9 95
32.	Electric Brooder	51	175-250	450	12 65
33.	Electric Brooder	60	325-375	550	13 95

Buckeye Queen Electric Brooders

Buckeye, with its many thousands of satisfied Brooder users, both coal and oil, has had an insistent demand from sections where electricity is available, for a more perfect electric Brooder than any which is now obtainable. This Buckeye Electric Brooder "won its spurs" covering many tests. It is built for convenience, low current cost, and efficiency. Heating element, thermostat, and pilot light are mounted on a removable panel. The element is of open-coil type and is suspended between porcelain insulators, covered by a protecting screen of hardware cloth. The thermostat is a totally dust-proof, bi-metallic unit. Specially designed chrome-plated steel radiators are placed back of the heater wire to reflect the heat to the outside edge of the Brooder, thus providing uniform heat in all parts of Brooder. A special canvas curtain extends along the sides of the Brooder and has a rip-proof finish.



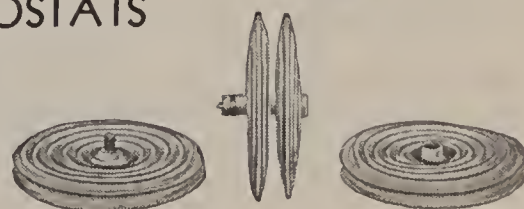
Model No. 94A.	300 chicks	\$28 45
Model No. 95A.	500 chicks	36 95

BUCKEYE THERMOMETERS

- Brooder. Easily read. 25c, postpaid 30c.
 No. 400. Electric Brooder. Inside scale. 50c, postpaid 55c.
 No. 401. Electric Brooder. Outside scale. 65c, postpaid 70c.
 Buckeye Incubator. 75c, postpaid 85c.
 No. 5776. "Tycos" Incubator. 75c, postpaid 80c.
 No. 5783. "Tycos" Certified. \$1.00, postpaid \$1.05.
 No. 5796. "Tycos" Incubator Hygrometer. \$1.50, postpaid \$1.60.
 Extra wicks, 10c each, postpaid.

WAFER THERMOSTATS

All-brass, double unit, for all makes brooders and incubators. 3-in. 25c; 4-in. 30c; 5-in. 40c. Postage 5c extra.
 Screw Post Wafers. 5c higher.



BUCKEYE MODERN POULTRY EQUIPMENT



Buckeye Fountain, Heater and Stand

Includes base, lamp, and burner. The stand is also available as a separate item.

Special price for complete outfit.

No. 255 - HS. 5-gal. fountain. \$5.75, postpaid \$6.15.

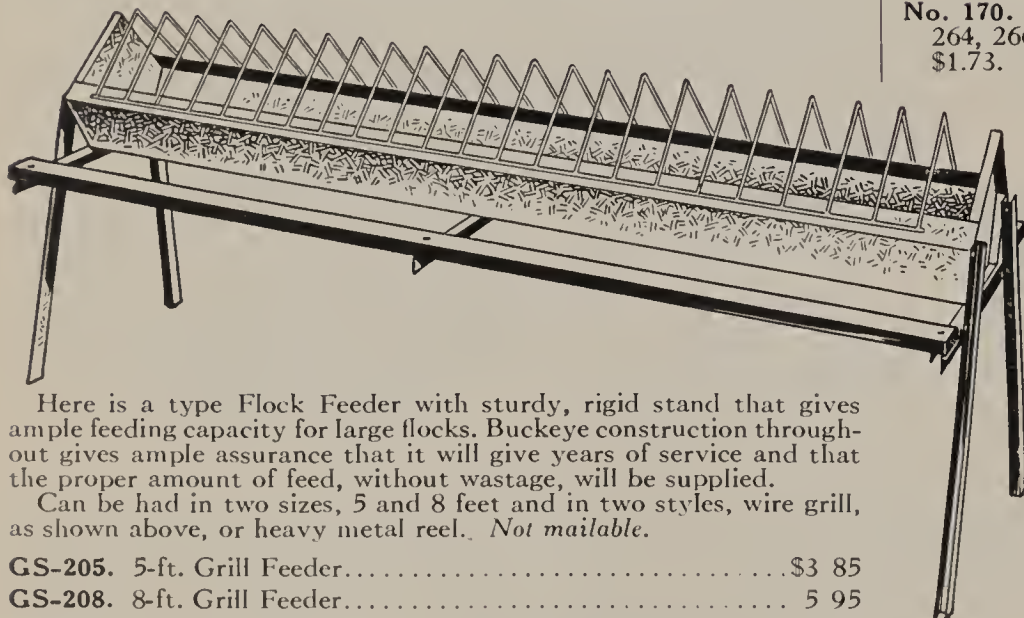
No. 269-HS. 10-gal. fountain. \$7.50, postpaid \$7.95.

No. S-269. Stand only, \$1.85, postpaid \$2.05.

Stands adjustable for any size fountain.

For Heaters, see next column.

BUCKEYE FLOCK FEEDER WITH HEAVY ANGLE IRON STAND



Here is a type Flock Feeder with sturdy, rigid stand that gives ample feeding capacity for large flocks. Buckeye construction throughout gives ample assurance that it will give years of service and that the proper amount of feed, without wastage, will be supplied.

Can be had in two sizes, 5 and 8 feet and in two styles, wire grill, as shown above, or heavy metal reel. *Not mailable.*

GS-205. 5-ft. Grill Feeder.....	\$3 85
GS-208. 8-ft. Grill Feeder.....	5 95
RS-205. 5-ft. Reel Feeder.....	3 85
RS-208. 8-ft. Reel Feeder.....	5 95
GS-205-L. 5-ft. Grill Feeder for broilers	2 75

Flock Waterer

No. WH-604. 4-ft. Trough Heater and Stand.....\$9 25

Round Water Pan—Removable Grill

This is an excellent Pan for water. The specially designed perch-proof top insures full efficiency and is easily removable. Pan can be supplied with stand or heater optional.

No. 265. Round Water-Pan with Grill. \$1.20, postpaid \$1.35.

No. S-265. Water-Pan, Grill, and Stand. \$1.70, postpaid \$1.95.

No. S-253. Stand only, fits Nos. 255, 264, 265, 266 Fountains. 50c, postpaid 60c.



Electric Thermostat Switch

An accurate snap type for use on battery brooders, incubators, or any place where correct temperature control is essential. \$1.95, postpaid \$2.05.

Float Fountains

Has double-acting copper-float valve which is positive in action—self-cleaning type that never clogs. Tank can be removed from bottom pan without fear of leaking. Heavy-gauge metal, strong bails, beaded edges, perch-proof tops.

No. 255. 5-gal. Float Fountain. 4-in. Float. \$2.50, postpaid \$2.70.

No. 269. 10-gal. Float Fountain. 6-in. Float. \$3.95, postpaid \$4.20.

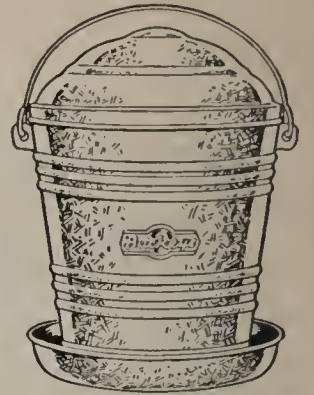


Fig. 1

Chick Founts

For use with either growing chicks or mature fowls. Heavy metal perch-proof top, heavy bail, rolled edges.

No. 259. 5-qt. Single Wall Fountain. 60c, postpaid 75c.

No. 263. 10-qt. Single Wall Fountain. 85c, postpaid \$1.00.

No. 264. 12-qt. Single Wall Fountain. \$1.20, postpaid \$1.35.

No. 301. Double Wall Fountain. 1½-gal. \$1.05, postpaid \$1.15. Fig. 1.

No. 302. Double Wall Fountain. 2-gal. \$1.20, postpaid \$1.35.

Fountain Heaters

No. 170. 12-in. Heater for Nos. 255, 264, 266 fountains. \$1.60, postpaid \$1.73.

No. 270. 14-in. Heater for Nos. 265, 456, 457 fountains. \$1.80, postpaid \$1.93.

No. 470. 18-in. Heater for No. 269 fountain. \$2.00, postpaid \$2.13.

For other Heaters, see page 62.



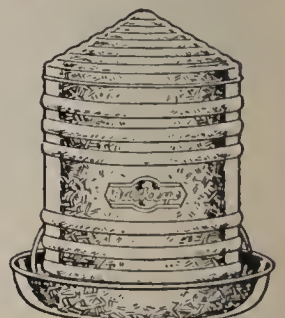
Double Wall Fount

Made from heaviest metals, all edges beaded. Has heavy interior bail and perfect construction. Live rubber washer prevents leakage and holds water in can when top is removed. Round pan, easy to clean, a real value.

No. 266. 3-gal.....\$1.85, postpaid \$2.00

No. 456. 5-gal.....\$2.50, postpaid \$2.70

No. 457. 8-gal.....\$3.25, postpaid \$3.50



Buckeye Jar Founts—Fit Any Mason Jar

No. 202. Standard galvanized Jar Fountain for Mason jars. New design. Heavily beaded center screw cap, welded to pan and guaranteed to stay. Price same as No. 203.

No. 203. Standard blue enameled Jar Fountain. Same as above. 10c each, postpaid 15c; 3 for 25c, postpaid 35c; 80c per doz., postpaid 95c.

Sanitary Stands for same. 5c each.

No. 204. Heavy crystal glass bottom, furnished with spring clip, which snaps over glass pan, holding jar in rigid position. Can be used for water, medicated solutions, or milk. 15c each; 2 for 25c, postpaid 32c.

Chick Boxes

Blue Ribbon Pullmans. 100 chick, 20c, postpaid 30c; 50 chick, 15c, postpaid 24c; 25 chick, 10c, postpaid 15c.

Electric Fountain Heater

Keeps drinking water from freezing, even in zero weather. Safe and easy to use. No danger of fire or explosion. Cost averages about a cent a day. Used with any type fountain pan, crock, or bucket. \$1.75, postpaid. For other Heaters, see page 63.

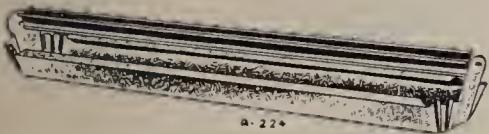
Whitewash Lime

½pk. 30c; pk. 50c; ½bus. 90c; bus. \$1.75. *Not mailable.*

BABY CHICK SUPPLIES

BUCKEYE CHICK FEEDERS

METAL REVOLVING REEL TYPE, SQUARE BOTTOM



Made from heavy galvanized iron stamped from one piece. No ends to break off or get loose. Wide lip on each side prevents food waste. May be used for feed or water. Width 4 inches; depth 12 inches.

No. R212. Length 12 in. 15c each, postpaid 20c; 2 for 25c, postpaid 35c.

No. R218. Length 20 in. 20c each, postpaid 30c; 2 for 35c, postpaid 50c.

No. R224. Length 24 in. 30c, postpaid 40c.

No. TR224. Charcoal tin. Length 24 in. 40c, postpaid 50c.

ROUND BOTTOM, ADJUSTABLE LEGS



No. R231. Length 31 in. 55c, postpaid 65c.

No. R243. Length 43 in. 70c, postpaid 85c.

No. G231. Wire grill. 31 in. 80c, postpaid 95c.

No. G243. Wire grill. 43 in. 95c, postpaid \$1.15.

INTERMEDIATE SIZES

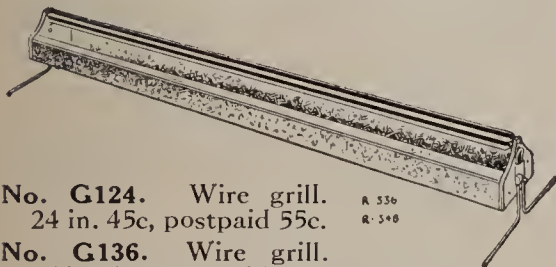
No. R436. Length 36 in. 70c, postpaid 85c.

No. R448. Length 48 in. 90c, postpaid \$1.10.

No. G436. Wire grill. 36 in. \$1.00, postpaid \$1.20.

No. G448. Wire grill. 48 in. \$1.25, postpaid \$1.45.

SQUARE BOTTOM FEEDERS

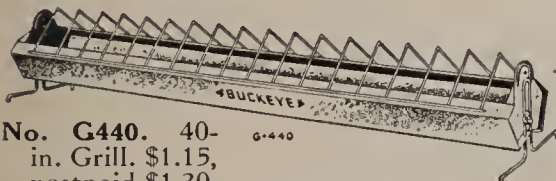


No. G124. Wire grill. 24 in. 45c, postpaid 55c.

No. G136. Wire grill. 36 in. 65c, postpaid 80c.

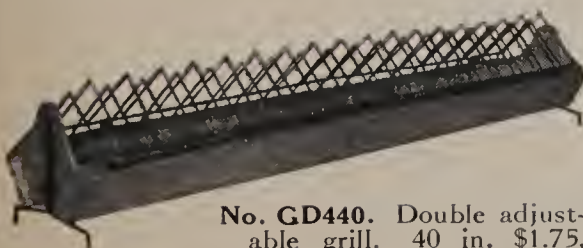
No. R136. Metal reel. 36 in. 50c, postpaid 65c.

BROILER SIZES



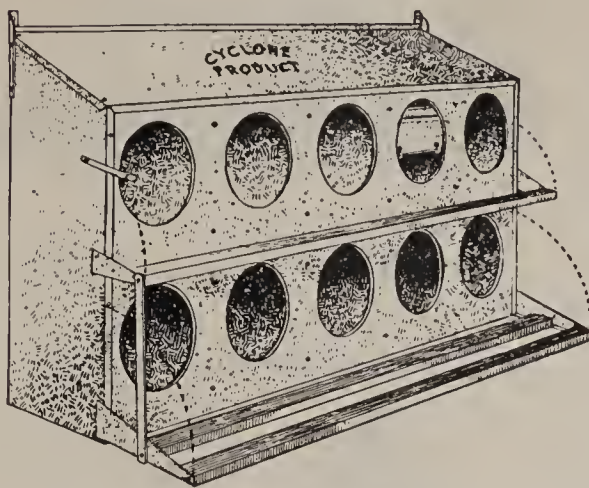
No. G440. 40-in. Grill. \$1.15, postpaid \$1.30.

No. R440. 40-in. Reel. \$1.10, postpaid \$1.35.



No. GD440. Double adjustable grill. 40 in. \$1.75, postpaid \$2.00.

Sanitary Steel Nests



Substantially constructed. Priced right. Well ventilated. No overheating in hot weather. Ample room for large, heavy hens. In addition, for poultry breeders, we can furnish trap nest fronts as listed.

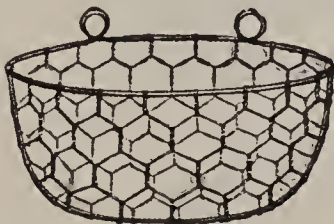
No. 406. 6-hole nest. \$5.30.

No. 410. 10-hole nest. \$7.75.

No. 415. 15-hole nest. \$10.60.

No. 416. Trap-nest front for round-hole nest. 40c, postpaid 45c.

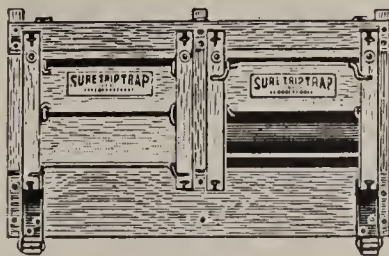
Wire Nests



These Nests are strongly made from coppered wire, reinforced with coppered steel ribs. They are intended to fasten to the wall with screws

or screw hooks. There is no room on them for lodgment of lice or vermin of any kind; easy to keep clean. 25c each; \$2.50 per doz. Parcel Post weight, 1 lb. each.

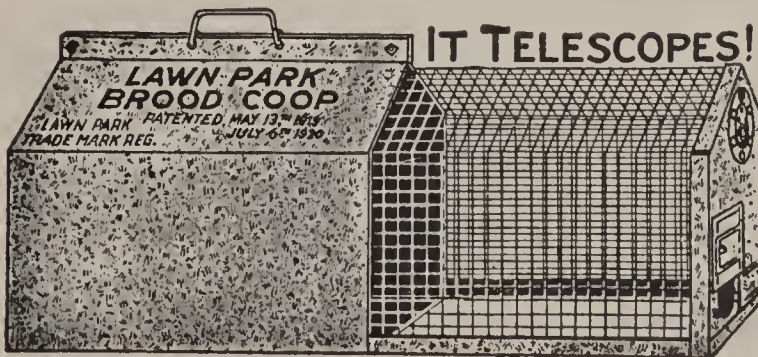
Sure-Trip Trap Nest Front



Simple mechanical device, ingeniously designed, which accurately traps. Easily attached to an orange box or any home-made nest. Very inexpensive. 35c, postpaid 42c; 3 for \$1.00, postpaid \$1.15; 100 for \$25.00, f.o.b. Baltimore, Md.

Stop Cannibalism

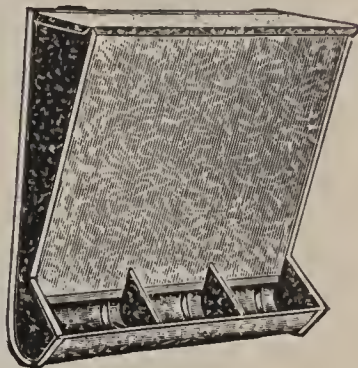
Use **Pick Rem** for chicks. See page 66.
Use **Helmets** for hens. See page 62.



IT TELESCOPES!

Modern Grit Boxes

The feeding of grit, charcoal, and ground shells is very essential. The compartment box here illustrated is inexpensive and practical. Made of galvanized iron.



No. 807. Length 12 in. \$1.15, postpaid \$1.30.

No. 808. Length 16 in. \$1.50, postpaid \$1.70.

No. 9. Three compartments. 85c, postpaid 95c.

No. 45. Two compartments. Holds 1 qt. 40c, postpaid 47c.

Buckeye Egg Basket



Hot dipped in molten tin to prevent rust and sturdily constructed to give extra life. This Basket will not crack or mark eggs because of its substantial construction. Held off ground to insure perfect cooling. Has card-holder for flock identification.

No. 114. 18-doz. Egg-Basket. 90c, postpaid \$1.05.

Poultry House Scraper



For cleaning dropping-boards, scraping floors, and scraping snow and slush from walks. \$1.25, postpaid \$1.35.

Pigeon Bath Pans

Made of heavy galvanized iron; 18 inches in diameter, 3 inches deep. \$1.00, postpaid \$1.15.

Clay Pigeon Nest. 20c each, \$2.00 per doz Express only.

Lawn Park Brood Coop

The Lawn Park is large and roomy, being 18 in. wide, 19½ in. high, and 48 in. long, with park extended. \$3.75. Cannot be sent by Parcel Post. See cut.

Leg-Bands for Poultry and Pigeons



When ordering bands, state for which breed.

M.-S. Ribbon Bands. The best celluloid Band ever produced. Unexcelled for use in trap-nesting. Made in six sizes and five colors. Per 100, postpaid

- No. 1. Chick size, day old.....\$1 25
- No. 2. Chick size, two weeks old, or for pigeons..... 1 25
- No. 3. Mediterranean breeds..... 1 50
- No. 4. American breeds..... 1 60
- No. 5. Asiatic breeds..... 1 75
- No. 6. Turkeys and geese..... 2 75

In small lots, all sizes but No. 6, 25c per doz. No. 6, 35c per doz.

Spiralet Leg-Bands. Made of celluloid in different colors: Black, White, Blue, Red, Green, Yellow. Two Turkey Sizes: Hens 15c per doz., 50c for 50, 85c per 100; Toms 20c per doz., 60c for 50, \$1.00 per 100. Three Poultry Sizes (state breed and sex): 10c per doz.; 35c for 50; 60c per 100; \$4.00 per 1000. Pigeon and Day-Old Chick Size: 10c per doz.; 20c for 25; 30c for 50; 50c per 100.

Wing-Bands. The best clinch or seal Wing-Band manufactured. 15c per doz.; 25c for 25; 35c for 50; 60c per 100, postpaid.



Adjustable Leg-Bands. Adjustable for any breed of poultry. 15c per doz.; 25c for 25; 40c for 50; 75c per 100; \$1.25 for 250; \$4.75 per 1000.

Elite Double Number Colored Pigeon-Bands. For marking nest pairs. This Band is the most visible, being numbered on both sides. 30c for 6 pairs; 50c per doz. pairs; \$1.00 for 25 pairs; \$2.00 for 50 pairs.

No. 6. Bandettes for Pigeons. Made of celluloid. Large, double numbers. 25c per doz.; 45c for 25; 80c for 50; \$1.50 per 100. All Bands Postpaid

Caponizing Sets, Poultry Markers, Etc.



Philadelphia Caponizing Set. In plain box, \$3.00; in velvet-lined box, \$3.50, postpaid.

Lansdowne No. 1 Caponizing Set. \$5.00, postpaid.

Cornell Caponizing Set. \$6.00, postpaid.



French Poultry-Killing Knife. 60c, postpaid.

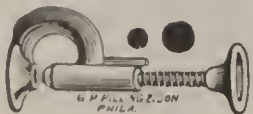
Pinning Knives. 50c, postpaid.

Killing Knife. Wood handle. 40c, postpaid.

Petty's Vest Pocket Poultry Punch. For convenience it has no equal. 25c, postpaid.

Petty's Lever Punch. Closes hole to prevent bleeding. 50c, postpaid.

Philadelphia Poultry Marker. 25c, postpaid.



Little Putnam Stove for Poultry Fountains and Oat Sprouters



Burns a Month Without Attention

Will keep water from freezing in zero weather. It holds 6c worth of oil and burns a month without filling or trimming. Fool-proof and fire safe. \$2.00, postpaid.

Earthenware Fountains



These poultry Fountains supply a constant flow of pure water. Made in 2 pieces; can be easily kept clean and sanitary. The slot also permits the use of thick milk or other heavy liquids. 1-qt. size, 35c; 2-qt., 40c; 4-qt., 50c; 8-qt., \$1.00. Not available.

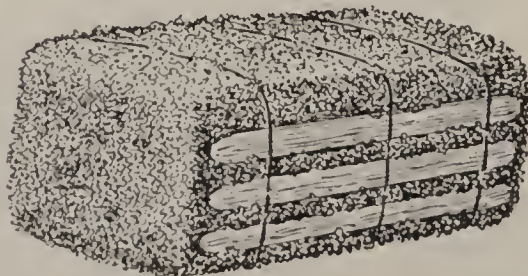
Helmets

Prevent Pickouts and Picking



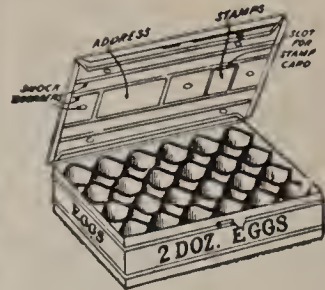
Helmets are simple metal devices that are attached to the beaks of ready-to-lay or laying chickens, to prevent them from picking. These Helmets extend out over the beak, resting directly on top of the beak, permitting the birds free access to eat. In practicing cannibalism, a bird generally holds its head in a horizontal or semi-horizontal position. When held so, the Helmet offers complete protection by shielding the end of the beak. Helmets permit all natural functions of the chickens and will not interfere with production. Easy to attach. \$1.50 for 50; \$2.50 per 100; \$11.25 for 500; \$20.00 per 1000.

Poultry Peat Litter



A most sanitary and economical litter for poultry. Pk. 25c; bus. 50c; full-size bale \$2.75. Prices on larger quantities on application.

Metal Egg Crates



Sell Eggs by Mail

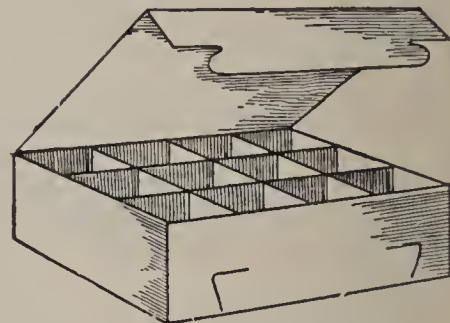
Indestructible; made for interchangeable shipments; lasts for years. Realize more money for your eggs.

Butter and eggs safely carried by mail in same

crate. Can be used for other products.

Prices and Mailing Weights

Size, All Eggs	Empty	Filled	Price	Post-paid
1 doz.....	2 lbs.	4 lbs.	\$1 00	\$1 08
2 doz.....	4 lbs.	6 lbs.	1 25	1 35
3 doz.....	4 lbs.	8 lbs.	1 50	1 60
4 doz.....	5 lbs.	11 lbs.	1 75	1 86
6 doz.....	6 lbs.	15 lbs.	2 00	2 12
9 doz.....	8 lbs.	22 lbs.	2 50	2 64
12 doz.....	10 lbs.	28 lbs.	3 00	3 16



M.-S. Egg Box

This is an ideal 3x4-section box for the retail egg trade, holding one dozen, presenting the goods to the customer in an attractive package. They knock down in very compact shape. 15c per doz., postpaid 20c; \$1.00 for 125, postpaid \$1.20; \$1.85 for 250, postpaid \$2.20; \$6.50 per 1000.

Humpty Dumpty Egg Carrier

A very light, strong, and convenient Egg Crate and Carrier. Made of hardwood slats securely fastened. The lid with handle, springs into position when crate is filled. Collapsible. 75c per 12 doz., postpaid 86c.

Biological Products

Roup Bacterin, Fowl Pox Vaccine, Tuberculin (Avian), Stained Antigen, Cholera-Typhoid Bacterin, etc. For poultry and all livestock.

ASL FOWL POX VACCINE

		Postpaid
100-dose units.....	\$0 75	\$0 80
500-dose units.....	3 25	3 35

ASL BACTERINS

Avian Mixed or Cholera-Typhoid

		Postpaid
125cc.....	\$1 75	\$1 80
250cc.....	3 00	3 05
500cc.....	5 50	5 60
1000cc.....	10 00	10 10

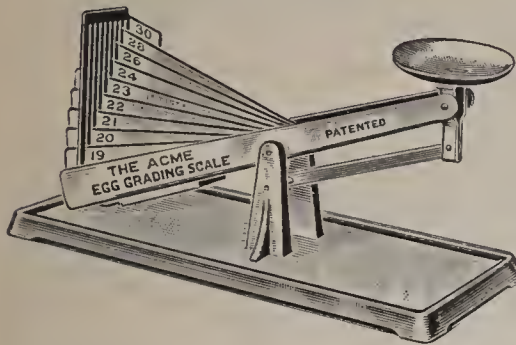
All ASL Biologies are manufactured under U. S. Veterinary License No. 165.

STAINED ANTIGEN

For detecting carriers of Pullorum Disease (B. W. D.) by the rapid whole blood agglutination method. Prepared under U. S. Government Patent 1,816,026. A superior Antigen, definitely standardized.

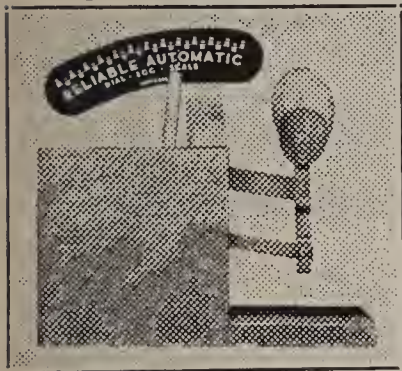
500 tests.....	\$2 00
1000 tests.....	3 50

Acme Egg-Grading Scale



Has been officially adopted as the standard scale in many sections of the United States. Made entirely of aluminum. Indicates grade instantly. \$2.35, postpaid \$2.45.

Automatic Egg-Scale



Especially low in price. \$1.50, postpaid \$1.62.

Nest-Eggs

Encourage hens to lay in the nests by the use of Nest-Eggs. This will prevent the loss sustained by hens laying on the floor and other places, where eggs are broken and soiled. Broken eggs encourage the very bad habit of egg-eating by the birds.

Opal. Made of glass. 5c each; 40c per doz., postpaid 50c.

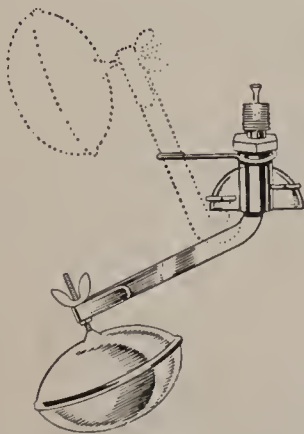
M.-S. Lime. Will last indefinitely. Looks most natural. 5c each; 40c per doz., postpaid 50c.

Chatfield's Naphthalene. Keeps vermin away; disinfects nest. 5c each; 50c per doz., postpaid 60c.

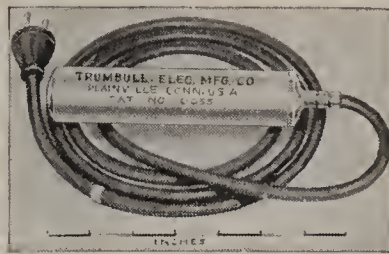
Egg Tester Buckeye. 35c, postpaid 40c. Tin. 25c, postpaid 30c.

Buckeye Automatic Float Valve

Positive in action, accurately machined, made entirely of brass, the float is of extra-heavy construction. Valve is threaded for 1/4-inch iron pipe and can be connected to any pressure system, or to any tank or barrel, thereby providing a constant automatic supply of fresh drinking water. A wire hook is provided to hold the float up in "off" position while the container is removed or cleaned. \$1.00, postpaid \$1.10.



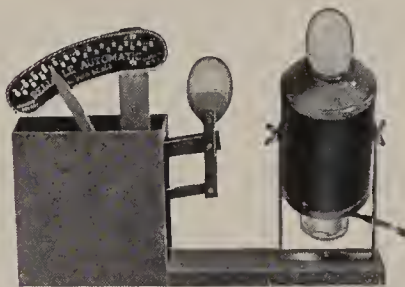
Automatic Electric Water Warmer



More eggs in zero weather. Holds water at 50° at all times. Thermostatic control. No radio interference; no fire hazard; uses current only when water temperature falls below 50°; entirely automatic. Complete with 6-ft. waterproof electric cord. \$3.00, postpaid \$3.10.

See page 60 for other Electric Heaters

Combination Scale and Candler

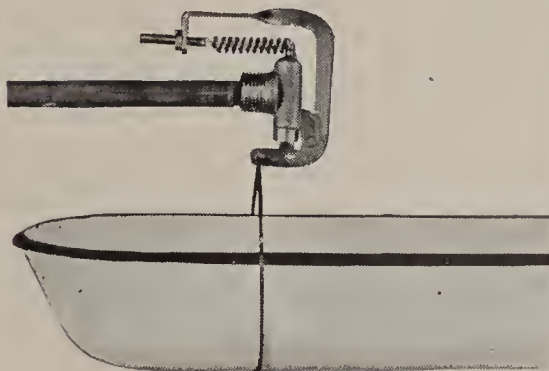


Finished in Green

Get more profit from your poultry. Eggs today are sold on grade and quality. If you want to get the best prices for your eggs, weigh and grade them. Quickly establishes weight and grade.

Excellent for grading to determine cracked eggs or blind checks. Slanting double dial shows weight per dozen and each individual egg. Specially designed light-reflector makes candling easy. Table model with leveling device, equipped with 5-ft. electric cord. \$3.95 each, postpaid \$4.10.

Gravity Water Valve



A Valve automatic in operation, which keeps water at any level desired. It is attached to trough, as shown in illustration. It has an adjusting nut that can be tightened or loosened which acts in like manner on spring that regulates the pressure on valve stem. Will save time and labor, keeps water troughs full in brooder house, laying house or range, whether connected to barrel, gravity, or pressure system. Quickly shut off for cleaning troughs, etc. Made of brass, dependable. The valve can be attached to a 1/4-in. or 1/2-in. pipe, as it is threaded for both sizes. Fully guaranteed. 85c, postpaid.

Perfection Egg Grader

New All-Metal Model

Introduced at I. B. C. A. Convention. The fastest, most accurate Egg Grader ever offered at a low price. Grades 3 to 5 cases per hour—automatically. Separates eggs into any 4 grades desired. Meets all state grading laws. Adopted by leading agricultural colleges. Adjustable. No dials to read. No electricity needed.



Portable, weighs only 12 lbs. Molded rubber tray. A great time-saver and money-maker. Assures uniform pack. Quickly pays for itself. Complete, \$12.00, postpaid \$12.25.

Reflecto Egg Candler

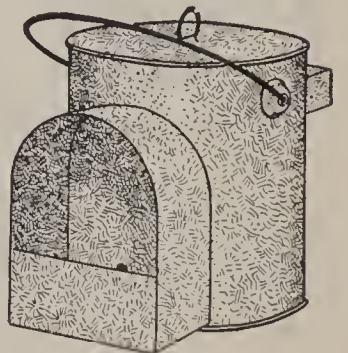
No. 700. Complete Candler, including cord, socket, and bulb for 110-voltage, \$1.30, postpaid \$1.40.

Egg Preservative WATER GLASS

Put your eggs down in the spring and summer when they are cheap and keep them fresh for 10 months. For storing eggs, use a five-gallon vessel such as a stone crock, wooden tub or bucket. The vessel must have a cover to prevent evaporation. Do not use tin or iron vessels. One gallon makes sufficient solution for 50 to 60 dozens eggs. Qt. 35c, postpaid 48c; gal. \$1.00, postpaid \$1.23; 5 gals. at 75c per gal.

Pigeon Fountains

Hooded Fountain. A two-piece sanitary Fountain. The top section slides over bottom section, the double wall keeps the water cool in summer and warm in winter. Pigeons flying about in the loft cannot soil the water. Easy to keep clean. 4-qt. 85c, postpaid \$1.00; 8-qt. \$1.15, postpaid \$1.30.



"Peerless" Drinking Fountain. Keeps the water clean and pure. 5-qt. 90c, postpaid \$1.00.

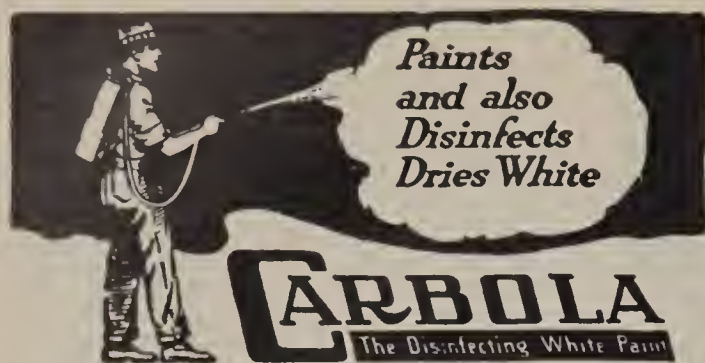
Feed Cups for Exhibition and Training Cages.

No. 1. Large size, 20c each; \$1.75 per doz., postpaid \$1.85.

No. 0. Small size, 15c each; \$1.50 per doz., postpaid \$1.60.

Pigeon Nest Fronts

Made of white pine with doweled fronts and large door to facilitate handling of nest bowls and youngsters. \$1.00 each, \$10.00 per doz.; postpaid \$1.10 and \$10.30.



THE POWDER OF MANY USES

CARBOLA is a white paint and powerful disinfectant combined in powder form. It is ready to use as soon as it is mixed with water. It can be easily and quickly applied to building interiors with brush or spray pump. Disinfects and dries pure white. Does not flake or peel off. *One pound covers 100 sq. ft*



IN THE CHICKEN HOUSE

To paint and disinfect side walls, ceilings, roosts and brooders. Helps keep the birds free from lice and mites and the buildings clean, light and sanitary. Sprinkle it in the nests and rub it into the birds. The dry powder is an excellent louse powder.

IN THE BARN

To paint and disinfect side walls, ceilings, stalls, etc., as an aid to cleanliness and prevention of tuberculosis, foot and mouth disease, and other contagious diseases. Spread the dry powder on floor where the cow stands. Use it as a louse powder. Wash hands with powder before milking.



IN THE HOUSE

Carbola applied to walls and ceilings of cellars will kill bad odors, mustiness, prevent cobwebs, disease germs, drive out spiders, ants and other insects. Use the dry powder as cleanser for pots, pans, cutlery and for removing stains from woodwork. Especially recommended in bathroom for cleaning bathtubs, wash basins, tile and for disinfecting the bowl.

Dust Carbola on rose bushes, peas, cabbage, tomato plants, etc., to help get rid of insects and worms. Spray it on trees and tree trunks.

It increases light, sanitation and general appearance in factory buildings. It makes cleaner warehouses. An excellent and economical interior finish for garages.

One pound covers 100 square feet. 5 lbs. (makes 2½ gals.) 60c, postpaid 72c; 10 lbs. 98c, postpaid \$1.15; 25 lbs. \$1.90, postpaid \$2.25; 50 lbs. \$3.50, postpaid \$4 10.

HEXAGON MESH POULTRY NETTING

Put up in rolls of 150 running feet. Galvanized after weaving.

	2-in. No. 20 Wire	1-in. No. 20 Wire
12-in.	\$1 15	\$2 15
18-in.	1 50	3 10
24-in.	1 95	4 00
36-in.	2 75	5 90
48-in.	3 50	7 50
60-in.	4 30	9 50
72-in.	5 10	11 25

2-in., less than roll lots, 1c per sq. ft.; 1-in., 2c. Price subject to change without notice.

Poultry Wire Staples. Lb. 10c.



CEL-O-GLASS

Now Guaranteed for 5 Years

It is the only ultra-violet-ray window material on a wire mesh base with published scientific proof that it increases egg-production and reduces chick-losses.

Low egg-production, soft-shelled eggs, disease, leg weakness can often be traced to deficiency of ultra-violet rays or their equivalent. "Cel-O-Glass" brings these vitalizing ultra-violet rays of the sun inside your poultry-houses all winter long, when you need them most. These rays, which are barred out by ordinary glass and soiled cloth curtains, enable your hens to make proper use of calcium and phosphorus, the bone-building and shell-making minerals. Furthermore, "Cel-O-Glass" keeps houses warmer and drier, and free from draughts. . . . Experiment stations, egg-laying contests, commercial poultrymen and flock-owners have found that "Cel-O-Glass" increases egg-production and reduces chick mortality. It can do the same for you.

Cut any size from 1 running foot up. Per running foot: 28 in. wide, 30c; 36 in. wide, 37c; postage, 10c for 1 running foot; 1c extra for each additional running foot; 100-ft. rolls, 28-in. \$29.00; 100-ft. rolls, 36-in. \$36.00.

Also can be supplied in 48-in. widths at \$50.00 per 100-ft. rolls. Sold in roll lots only.

Also used for hotbeds, coldframes, storm-doors, storm windows, back porches, hog-houses, dairy barns, milk-houses, dog-kennels, rabbit-hutches, and many others.

VIO-RAY (Glass Cloth)

Use in place of ordinary glass. Permits the ultra-violet rays to enter, but effectively keeps out wind and rain. Buildings will be from 10° to 12° warmer when this material is used. 1 sq. yd. 23c; 10 sq. yds. or more, 20c per sq. yd. Postage, 10c for 1 sq. yd.; 1c extra for each additional square yard.

SWEETS FENCE POSTS

Superior strength; flanged leg-channel section assures maximum strength. Attractive appearance; maximum durability. Tested to withstand bending strain of heavy weights and windloads. Unequaled economy.

	Length	Price
Line Post	3 ft.	\$0 20
Line Post	5 ft.	35
Line Post	6 ft.	42
Line Post	7 ft.	48
Line Post	8 ft.	54
End Post	6 ft.	1 60
End Post	7 ft.	1 70
End Post	8 ft.	1 80

HARDWARE CLOTH

Made from heavy wire, galvanized after weaving. Used for corn-cribs, sieves, windows, etc. 3 x 3 in. mesh. 24-in., 30-in. and 36-in. sizes. 5c per sq. ft. in roll lots; 6½c per sq. ft. in less than roll lots.

POULTRY AND BIRD-FOODS, DISINFECTANTS, TONICS, ETC.

On articles not marked postpaid, allow 8 cents for the first pound, 2 cents for the second pound, and 1 cent for every additional pound. Prices on all foods subject to change without notice. Quotations on larger quantities on request

Feeds, Bird Seeds, Etc.

BIRD SEEDS		Lb.
Canary.....	\$0	10
Rape (German).....		10
Millet (Red or White).....		05
Sunflower.....		10
Thistle.....		20
Maw.....		20
Flax.....		10
Cuttle-Bone.....		40
Mixed Bird Seed.....		10
Bird-Sand.....	2-lb. pkg.	10

Poultry Grains

	Lb.
Cracked Corn.....	\$0 04
Oats.....	04
Barley.....	04
Buckwheat.....	04
Whole Corn.....	04
Kaffir Corn.....	05

Pigeon Feeds

	Lb.
Mixed Pigeon Feed.....	\$0 05
Argentine Corn.....	04
Domestic Corn.....	04
Canada Peas.....	07
Maple Peas.....	08
Tic Beans.....	10
Lentils.....	07
Rice.....	07
Kaffir Corn.....	05
Hemp Seed.....	10
Hulled Oats.....	05
Vetches.....	07
Buckwheat.....	04
No-Light Pills.....	30c, postpaid 32

Grit, Shell, Charcoal, Etc.

	Lb.
Poultry Grit (3 sizes).....	\$0 02
Poultry Shell (2 sizes).....	02
Pigeon Grit (Foust).....	03
Pigeon Grit (Red Cross).....	03
Charcoal (3 sizes).....	05
Tobacco Stems.....	05

Miscellaneous Feeds

	Lb.
Alfalfa Meal.....	\$0 04
Alfalfa Leaf Meal.....	05
Beef Scrap.....	05
Bran.....	04
Buttermilk (Semi-solid).....	10
Buttermilk (Dried).....	10
Flaxseed Meal.....	05

Prepared Feeds (Conkey's)

	Lb.
Starting Mash.....	\$0 06
Growing Mash.....	05
Laying Mash.....	04
Turkey Mash.....	05
Chick Grains.....	05
Growing Grains.....	04
Scratch Grains.....	04

Divco Tattoo

For positive, permanent marking of poultry, turkeys, geese, pigeons, rabbits, household pets, foxes, sheep, etc. A one-piece tattoo marker with cut steel design. Marks them for life. Complete outfit with serial number, \$2.85, postpaid \$2.95.

Tattoo Ink

(Non-poisonous.) 25c, postpaid 30c.

Poul-Tobac

Used for round worms in poultry. 10 lbs. \$1.00; 25 lbs. \$2.00; 100 lbs. \$4.50.

Conkey's Poultry Remedies

Conkey's Old Reliable Powder

Known to poultrymen everywhere as Conkey's Roup Remedy. Keep it on hand for use in emergency or put it in drinking founts on cold, rainy days or when there is a sudden change in weather. Pkgs. 25c, 50c, \$1.00; 1½-lb. can \$2.35, 5-lb. can \$5.50, postpaid \$5.75.

Conkey's Poultry Pills

For colds. Pkgs. 25c, 50c, \$1.00. Breeder size (1000 pills) \$2.75, postpaid \$3.00.

Conkey's Balmo

A soothing, cooling application for relieving irritation around swollen eyes and head and in the mouth when treating conditions caused by colds and similar troubles. Pkg. 50c, postpaid 55c.

Conkey's Salvo

Good to have on hand for treating sores, cuts and wounds of any description. Pkgs. 25c and 50c, postpaid 30c and 55c.

Conkey's Dia-Tabs

Play safe—keep this remedy in the drinking water of all baby chicks until danger period of the first few weeks is past. Pkgs. 25c, 50c, \$1.00. Breeder size (950 tablets) \$3.75, postpaid \$3.85.

Conkey's Nox-I-Cide

For poultrymen, Nox-I-Cide is indispensable as a red-mite destroyer. Paint it on the roosts and spray it into cracks. Spray premises daily when disease is present and once a week as a preventive of red mites, ticks, "blue-bugs" and disease epidemics. Cans: Pt. 40c, postpaid 50c; qt. 60c, postpaid 72c; 2 qts. 90c, postpaid \$1.05; gal. \$1.50, postpaid \$1.75.

Conkey's Poultry Tonic

Every bird will be healthier and more profitable if given a good tonic and regulator. Conkey's Poultry Tonic helps birds get more out of their feed. They produce more eggs and better flesh on less feed, by better digestion and assimilation. Pkgs., 1½ lbs. 25c; 3¼ lbs. 50c; 7 lbs. \$1.00. Pails, 12 lbs. \$1.60; 25 lbs. \$3.00. Bags, 50 lbs. \$5.00; 100 lbs. \$9.50. Parcel Post, Express or Freight charges extra.

Conkey's Cod-Liver Oil

Laboratory tested. Gal. \$2.00, postpaid \$2.20.

Conkey's Fly Knocker

Play safe, use Conkey's New Fly Knocker in the dairy, around the barns and on the animals and be relieved of fly worries. Does not discolor, is not gummy, does not taint the milk, repels for a long time. Has a knock-down rating of 99 per cent and a kill rating of 73 per cent. Qt. 60c, postpaid 72c; ½gal. 90c, postpaid \$1.05; gal. \$1.50, postpaid \$1.73; 5 gals. \$7.25, f.o.b. Baltimore.

Conkey's Y-O Yeast and Cod-Liver Oil

In powder form. Lb. 50c, postpaid 60c; 2 lbs. 90c, postpaid \$1.00; 5 lbs. \$1.60, postpaid \$1.75.

Toxite

Very effective in the control of coccidiosis, round worm and red mites, which are transmitted by contaminated litter. Qt. size 50c, postpaid 60c; gal. \$1.50, postpaid \$1.70.

Pratt's Poultry Remedies

Pratt's Poultry Regulator

Now Contains Trace Elements

For health and eggs. Use it the year 'round. Pkgs. 25c and 55c, postpaid 33c and 66c; 12½-lb. pkg. \$1.60, postpaid \$1.80; 25-lb. pail \$2.85, postpaid \$3.16; 100-lb. drum \$9.50, f.o.b. Baltimore, Md.

Pratt's N-K Capsules (Split Action)

For poultry worms. Pratt's N-K Capsules are quick, sure death for worms. Adults: 50 capsules 85c; 100 capsules \$1.50; 500 capsules \$5.50; 1000 capsules \$10.00. Chick and Pullet: 50 capsules 55c; 100 capsules \$1.00; 500 capsules \$3.75; 1000 capsules \$6.50.

Pratt's Disinfectant

An economical, powerful, non-poisonous, coal-tar disinfectant. Qt. 50c, postpaid 62c; ½gal. 85c, postpaid \$1.00; gal. \$1.45, postpaid \$1.70.

Pratt's Lice-Killer

For use on poultry in dust-baths, nests, etc. In sifter cans, 30c and 60c, postpaid 38c and 70c.

Pratt's Chick Tablets

Use in the drinking water for the first couple of weeks. Will save you many dollars in chicks. Pkgs. 30c and 60c.

Pratt's R-P Tablets

Save your birds from heavy roup loss. Guaranteed to get satisfaction or your money back. Pkgs. 25c and 50c.

Pratt's Worm Powder

A flock treatment for use in mash for round worm. Pkg. 75c.

Pratt's Chicken-Pox Remedy

Pkg. 60c.

Animal Regulator

Keeps stock in the pink of condition. Pkgs 25c and 50c, postpaid 32c and 58c.

Pratt's Hog Powder

Makes healthy hogs. Many successful hog-raisers report that the feeding of this powder twice a month will control common worm trouble. Pkgs. 25c and 50c, postpaid 35c and 58c.

Pratt's Roost Paint

Will kill body lice on fowls. You merely paint the roost at night—the fumes kill lice on the fowls. There are no irritating or harmful effects to the birds. Pratt's Roost Paint kills the majority of lice the very first night. 2 ozs. 35c, postpaid 40c; ½pt. 85c, postpaid 95c; pt. \$1.50, postpaid \$1.60; qt. \$2.25, postpaid \$2.37; gal. \$7.00, postpaid \$7.25.

Carbolineum (Genuine)

A wood-preservative; prevents decay of woodwork above and below ground or water, and where subject to attacks of fungi, white ants and other borers. Also used to destroy red mites in poultry-houses. Gal. \$1.50, postpaid \$1.75.

Bag Balm. For all diseases of the cow's udder and teats. 60c, postpaid 70c.

Kow Kare. The great cow tonic. 65c, postpaid 73c; 2¼ lbs. \$1.25, postpaid \$1.34.

On articles not marked postpaid, allow 8c for the first pound or fraction of a pound, 2c for the second, and 1c for each additional pound

Lee's Remedies

Lee's Acidox. The value of an acid preparation in taking care of birds infected with coccidiosis is quite generally recognized by the poultry industry. 4-oz. bottle 50c, postpaid 55c; 12-oz. bottle \$1.00, postpaid \$1.10; 32-oz. bottle \$2.00, postpaid \$2.15. Descriptive circular on request.

Lee's Lice Killer, Liquid. Qt. 60c, postpaid 72c; 2 qts. 90c, postpaid \$1.05; gal. \$1.50, postpaid \$1.75.

Lee's Germozone. The best tonic for poultry of all kinds. For roup, cholera, and other poultry diseases. 4-oz. bottle 40c, postpaid 45c; 12-oz. bottle 75c, postpaid 85c; 32-oz. bottle \$1.50, postpaid \$1.65; 1/2 gal. \$2.50, postpaid \$2.75; gal. \$4.50, postpaid \$4.75.

Lee's Vapo Spray. For spraying around the roosting quarters at night in cases of roup, canker, bronchitis and pneumonia. Qt. 75c, postpaid 87c; 1/2 gal. \$1.25, postpaid \$1.40; gal. \$2.00, postpaid \$2.22.

Leemulsion. For roup, colds, bronchitis and pneumonia. \$1.00, postpaid \$1.10.

Lee's Gizzard Worm Capsule. Expels worms without sickening the chicken or retarding egg-production. Adult size: 50 capsules 75c; 100 capsules \$1.25. Pullet size: 50 capsules 50c; 100 capsules \$1.00; 500 capsules \$4.50. Chick size: 50 capsules 40c; 100 capsules 75c.

Walko Remedy

Walko Tablets. 50c and \$1.00 pkgs.

Dr. Hess's Poultry Panamin

1 1/2-lb. pkg. 25c, postpaid 31c; 3 lbs. 45c, postpaid 55c; 7 lbs. 85c, postpaid \$1.00; 15 lbs. \$2.00, postpaid \$2.22; 25 lbs. \$3.00, postpaid \$3.32.



I Dust with
HTH-15
says the Progressive Poultryman

TO GUARD AGAINST COLDS • ROUP • BRONCHITIS

"I fight colds and respiratory diseases by dusting with HTH-15. A dry, white powder, containing just the right balance of chlorine, HTH-15 is easy to use. I just dust over the birds on roost with an inexpensive dust-gun—and get all benefits of the chlorine inhalant treatment without disadvantages of moisture."

A little HTH-15 in drinking water helps prevent spread of disease. Disinfect poultry-houses and equipment by spraying regularly with HTH-15 solution. Economical—no waste—effective. Write for literature. Extensively used for dairy farm sanitation in the dairy, on the animals, and in the barns. 1-lb. can 50c, postpaid 60c; 3-lb. can \$1.00, postpaid \$1.12.

Suitable Duster No. 132 for dusting HTH-15, \$1.00, postpaid \$1.10.

Black-Leaf 40

1-oz. bottle 35c, postpaid 40c; 5-oz. bottle \$1.00, postpaid \$1.10; 1-lb. size \$2.25, postpaid \$2.35; 2-lb. tin \$3.25, postpaid \$3.37; 5 lbs. \$5.85, postpaid \$6.00; 10-lb. tin \$10.60, postpaid \$10.75. 5-oz. size treats 65 to 70 running feet of roost, other sizes in proportion.

"Black Leaf" Worm Powder

A single-dose flock treatment

1 1/2 lb. (treats 100 birds) 75c; 1 1/2 lbs. (treats 600 birds) \$2.90; 3 lbs. (treats 1200 birds) \$5.60.

"Black Leaf" Worm Pellets. 100 pellets 85c, postpaid 90c.

BURRELL DUGGER REMEDIES

Talcimized Sodium Fluoride

Small size, 1/2 lb. 35c, postpaid 44c; lb. 60c, postpaid 70c; 5 lbs. \$2.50, postpaid \$2.65.

Avicol

For Baby Chicks and Turkeys

50c and \$1.00, postpaid.

Don Sung

Makes Hens Lay

Tablets. 50c, \$1.00, \$5.00, postpaid.

Powdered. 3 lbs. \$5.00; 10 lbs. \$10.00; 25 lbs. \$20.00.

Group-Over

Formerly called Roup-Over. 50c and \$1.00, postpaid 60c and \$1.10.

Connecticut Formula

The Treatment for "Paralysis" and Enteritis

One pound is enough for 100 mature birds. Fed in the drinking water or mixed with mash. Full directions accompany each package. 15-oz. container 75c, postpaid 85c; 5-lb. container \$3.00, postpaid \$3.15.

Pick Rem

Absolutely stops cannibalism. Will stick on wet surfaces. 4-oz. jar 50c; 12-oz. jar \$1.00. Postpaid, add 5c to each.

Sulphur Candles

For fumigating sickrooms, poultry-houses, etc. 15c each, postpaid 22c; 25c for 2, postpaid 33c; \$1.25 per doz., postpaid \$1.38.

Dethol

Destroys all insects. A thorough disinfectant. 1/2 pt. 29c, postpaid 37c; pt. 49c, postpaid 60c; qt. 89c, postpaid \$1.00; gal. \$3.00, postpaid \$3.25.

Spratt's Dog Medicines

For postage, add 5c to each

Sulphur Tablets. For heated blood, etc. \$0 60

Nerve Sedative Tablets. For St. Vitus' Dance, etc. 60

Cough Tablets. 60

Constipation Tablets. A gentle and effective laxative. 60

Astringent Tablets. To relieve diarrhoea. 60

Special Tablets. Used in the treatment of distemper. 1 00

Ear-Canker Ointment. For internal and external use. 75

Ointments. For certain forms of mange and eczema. 60

Purgative Tablets. Safe and effective. 60

Tonic and Condition Tablets. To build up. 60

Capsules. For large, round worms. 60

Capsules for Puppies. For ascarids and large round worms. 60

Tonic and Condition Tablets. Toy dogs and puppies. 60

Special Tablets. For toy dogs and puppies. 1 00

Dog Soap (White). Contains no carbolic acid or coal-tar but is nicely perfumed and produces a fine lather. 30

Diuretic Tablets. 60

Spratt's Bird Foods

Sing-Song. A song-restorer in cake form. 10c, postpaid 15c.

Egg, Fruit, and Seed Canary Mixture. 25c, postpaid 30c.

Cod-Liver Oil Cage-Bird and Nestling Food. 15c, postpaid 20c.

Burnett's Bird Foods

		Postpaid
Lightning Regulator	\$0 25	\$0 32
Unexcelled Bird Food	25	32
Nestling Food	20	25
Bird Nesting	10	15
Bird Nests	10	15
Natural Fish Food	10	12
Wafer Fish Food	10	12
Bird Balm	10	12
Bird Salve	10	12
Louse Powder	15	20
Bird Wash	20	25
Catnip Mouse. Make kitty happy		10

Sergeant's Dog Remedies

		Postpaid
Nerve Sedative	\$1 20	\$1 28
Special Medicine	1 20	1 28
Diuretic Pills		60
Mange Medicine	65	75
Condition Pills		60
Sure-Shot Capsules		60
Puppy Capsules	60	70
Sure Shot Liquid	60	70
Arsenic and Iron Pills		60
Canker Wash	60	70
Cough Medicine	60	70
Well Mouth (Sore Mouth and Black Tongue)	60	70
Eye Wash	60	70
Tape Worm Medicine		60
Rheumatism Pills. For muscular soreness		60
Constipation Capsules		60
Skip-Flea Soap	25	30
Carbolic-Tar Soap	25	30



FLEAS

SAFE EASY SURE

One-Spot is not a poison and is harmless to human beings, domestic animals and poultry, but is too strong for use on canaries, as they sleep with head under wing.

It is not necessary to dust the animal all over, just put on one spot, preferably on top of shoulders. It is safe, easy and sure. 25c, postpaid 28c; and 50c, postpaid 54c.

Dri-Bath

Dry Cleaner and Insecticide For Dogs and Cats

Effectively destroys fleas and dog odors. Quick and easy to apply. 25c, postpaid 30c; 8-oz. size 50c, postpaid 60c.

Bee Brand Dog Shampoo

Lathers, cleans. For fleas and lice on dogs, cats and other pets. Head-lice and crab-lice on humans. Non-poisonous when used as directed. 30c, postpaid 38c.

Fleischmann's Irradiated Dry Yeast for Dogs



Gives the coat a beautiful gloss, helps clear up skin disorders, stops itching, builds stronger bones in puppies, prevents rickets. Four Sizes: 3 1/2-oz. can 25c; 8-oz. can 50c; 1-lb. can 85c; 5-lb. can \$3.50. Postage extra.

SPRATT'S PATENT DOG FOODS



MEAT FIBRINE DOG CAKES A Staple Food for All Breeds

The best results are obtained by giving the biscuits dry, not soaked, thereby compelling the dog to gnaw the food and thus producing copious flow of saliva which materially aids digestion. Lb. 15c; 5 lbs. 65c; 10 lbs. \$1.25; 25 lbs. \$3.25; 100 lbs. \$11.50. Postage extra.

SPIX

A medium-size dog cake for all breeds. Prices same as above.

OVALS

The Pocket Dog Biscuit

A small, meat-fibrine dog biscuit of superior quality. Appreciated by small, medium and large breeds. Lb. 15c; 5 lbs. 70c; 10 lbs. \$1.35; 25 lbs. \$3.25; 100 lbs. \$12.00. Postage extra.

CHARCOAL BISCUITS (Oval Size)

Charcoal absorbs impure gases in stomach and intestines and acts as a corrective of internal ailments, fetid breath, etc. A few Charcoal Biscuits given regularly each week will be found an excellent safeguard against canine ills. Lb. 15c; 5 lbs. 70c; 10 lbs. \$1.35; 25 lbs. \$3.25; 100 lbs. \$12.00. Postage extra.

FIBO

The standard kibbled food for years for all breeds. Lb. 15c; 10 lbs. \$1.40; 25 lbs. \$3.25; 100 lbs. \$12.50.

ALL TERRIER MEAL For Very Active Dogs

A highly nutritious, tissue-building, muscle-forming, bone-making and conditioning food. Lb. 15c; 5 lbs. 60c; 10 lbs. \$1.15; 25 lbs. \$2.50; 100 lbs. \$9.00. Postage extra.

D & G Dog Foods

Three sizes: Cakes, Kibbled, Puppy Meal

Contain beef, to give the equivalent of a two-thirds meat diet; milk, malt, for digestion and assimilation; molasses, for coat; bonemeal and calcium carbonate, for bone structure; cod-liver oil and alfalfa leaf meal, for vitamins and to improve coat; iodized salt; wheat flour; whole wheat, for proper cereal content. Lb. 10c; 3 lbs. 25c; 5 lbs. 40c; 10 lbs. 80c; 25 lbs. \$2.00; 50 lbs. \$3.75. Postage extra.

D & G MIGHTY GOOD

A cooked meal. Contains meat, milk, linseed meal, soy bean meal, bran, yeast, cod-liver oil, lime, whole wheat, kiln-dried bread-crumbs, molasses, bonemeal, alfalfa leaf meal, salt, malt and tomato pulp. Lb. 10c; 5 lbs. 35c; 10 lbs. 70c; 25 lbs. \$1.60; 50 lbs. \$3.00; 100 lbs. \$5.50. Postage extra.

Dog Feeders

Galvanized. Unupsettable Dog Feeders made of heavy, galvanized ware, 8 inches in diameter. 75c, postpaid 85c.

Earthenware. Glazed. 7 in. in diameter. 30c, postpaid 45c.

Unupsettable. 40c, postpaid 55c.

Sergeant's Disinfectant

An antiseptic germicide, insecticide and deodorant, stronger, safer and cleaner than carbolic acid. 12-oz. bottle 50c, postpaid 60c.

CHAPPEL BROS. DOG AND CAT FOODS

KEN-L-RATION

Composed of clean, wholesome meat, the best grade of cereals and Norwegian cod-liver oil in exactly the right proportions to make a perfect balanced ration. 1-lb. can 10c, postpaid 20c; case (24 cans) \$2.00, postpaid \$2.35; case (48 cans) \$4.00, postpaid \$4.57.

KIT-E-RATION

The ingredients in this cat-food contain properties so very essential for the growth and development of the cat or kitten. Lb. can 15c, postpaid 25c.

KEN-L-BISKIT

The Golden Cakes of Energy

These small, square Biscuits can be fed to dogs of all kinds and all ages. Like Ken-L-Ration, they contain all the nutritive elements so vital to growth, strength, and ability to resist disease. Good for puppies, grown dogs, and old dogs. Lb. 15c, postpaid 25c; 2 lbs. 25c, postpaid 35c; 5 lbs. 55c, postpaid 70c; 10 lbs. \$1.00, postpaid \$1.20; 25 lbs. \$2.25, postpaid \$2.56; 50 lbs. \$4.25, postpaid \$4.83; 100 lbs. \$8.25, not postpaid. This biscuit in kibbled form, same price.

KEN-L-WORTH (Kibbled)

Contains large percentage of fresh lean raw meat and is a splendid food for economical feeders. Lb. 15c, postpaid 25c; 2 lbs. 25c, postpaid 35c; 5 lbs. 55c, postpaid 68c; 25 lbs. \$2.00, postpaid \$2.34; 50 lbs. \$3.75, postpaid \$4.35; 100 lbs. \$7.50, f.o.b. Baltimore, Md.

Pratt's Kibbies

A tasty, nourishing complete food when fed dry or with an equal volume of water. Can also be fed with anything else you may wish to give—table scraps, stews, soups, meat, vegetables, milk, gravies, etc., and yet you will always be certain that each day your dog eats the required amount of essentials needed for the best health and condition.

The number of different menus or meals that can be worked out—using Pratt's Kibbies as the base diet—is practically unlimited. Lb. 10c; 3 lbs. 25c; 5 lbs. 40c; 10 lbs. 75c; 25 lbs. \$1.60; 50 lbs. \$3.00; 100 lbs. \$5.50, postage extra.

How Much to Feed Your Dog

A general rule, which is often quoted, is to allow about half an ounce to every pound weight of the dog. However, this applies to meat and foods containing a very heavy percentage of moisture.

Age, weight, and condition of the dog must be considered and, generally speaking, the dog's appetite should prove a fair guide. Do not overfeed; see that each meal is eaten up clean. The following table shows approximate daily quantities sufficient for a grown dog.

Pekingese, etc..... From 2 to 3 ozs.
Bostons, etc..... From 4 to 6 ozs.
Airedales, etc..... From 10 to 16 ozs.
Shepherds, etc..... From 1 to 1 1/4 lbs.
Great Danes, etc..... From 1 1/2 to 2 lbs.

Framingham Cedar Bedding

Preferred by many dog-owners. Lb. 30c, postpaid 40c; 10 lbs. \$1.25, postpaid \$1.43; 25 lbs. \$2.25, postpaid \$2.50; 50 lbs. \$3.75; 100 lbs. \$6.50. 50 lbs. and 100 lbs. f.o.b. Baltimore.

Common Sense Exterminator KILLS RATS



Why feed rats when a 25c can of "Common Sense" will clean them out?

"Common Sense" has been on the market for over a quarter century. It does the work or we would not handle it.

Get a can NOW and if you do not find it entirely satisfactory, we will refund your money. Also ask us about the ROACH preparation. Postpaid 30c.

K-R-O (Kills Rats Only)

Will not injure human beings, livestock, dogs, cats, poultry, yet is deadly to rats and mice every time. Made of powdered squill as recommended by the U. S. Dept. of Agriculture in their latest bulletin on "Rat Control." Pkg. (sufficient to kill 200 or more rats) 75c, postpaid 80c.

Pastoxine

Non-Poisonous. Concentrated

Positively no danger to man, domestic animals and poultry. It is non-poisonous as well as repulsive to them. Pastoxine possesses ingredients that are exceedingly appetizing to the rats and mice. It develops symptoms that bring rats and mice out into the open to die. Pastoxine is guaranteed to be as represented.

No. 1. Net contents 28.33 grams (will kill 100 rats and mice). 60c, postpaid 65c. Large size (enough to kill 2000 rats), \$5.00, postpaid \$5.15.

Rat-Nots

An effective remedy for the quick and sanitary extermination of rats. Safe and harmless to humans and domestic animals. Household Size 25c, postpaid 30c. Estate or Farm Size \$1.00, postpaid \$1.10.

Pest-O-Way

A Seed That Kills Mice

"Pest-O-Way" is clean, quick and dependable. It is fed to mice as it comes from the package. They eat it readily. You will be surprised at the quick results. 25c, postpaid 30c.

Cyanogas

Calcium Cyanide (Crude)—A-Dust

Kills rats, mice, moles, pocket gophers, ground squirrels, woodchucks, ants, fleas, bees, roaches, and moths. 1/2 lb. 45c, postpaid 55c; lb. 75c, postpaid 85c; 5 lbs. \$3.00, postpaid \$3.15.

Wire Rat Traps

New design. Easy to set; easy to empty. Catches them alive. \$1.00, postpaid \$1.15.

Cedar Kennel Bedding

Clean and fragrant. The oil of Cedar wood in this bedding is the dog's natural friend as it is very offensive to fleas and other insects. The aroma also counteracts animal odors. 5-lb. bag 50c, postpaid 63c.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

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**34-36 Light Street
Baltimore, Md.**

Date.....1939

P. O. or
R. F. D. Address.....

**Freight or
Express Address**.....

State.....

Superintendent's or
Gardener's name.....

Filled by	Double Checked by	Shipped by	Notified
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Date	Date	Date	Date
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AMOUNT FORWARD

It is always best to write letters and inquiries on a separate memorandum. NOT on order sheets

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COSMOS
Sensation, Pinkie

Mammoth pink flowers 4 to 5 inches across appear on 4-foot plants in ten weeks from seed. **Pkt. 15c**



ASTER, Early Giant, Light Blue

Big, lacy flowers with the petals curled and interlaced in a delightful way. Its great blooms average 5 inches across, are of a lovely shade of light blue, and are carried on long stems. The plants, which are wilt-resistant, are about 3 feet tall and branch freely. Flowers last long both on the plant and when cut. Silver Medal, 1939 All-America Selections.

Pkt. 25c

**ONE PACKET EACH
OF THESE**

5

Beautiful Annuals

For 75c



PETUNIA
Hollywood Star

Compact, dwarf plants with distinct star-shaped flowers of soft rose-pink, the throats creamy yellow. Each of the five lobes ends in a needle-sharp point which sets it apart at once. Blooms early and profusely. Silver Medal, 1939 All-America Selections.

Pkt. 25c



ZINNIA, Lilliput, Mixed Colors

Plants little over 1 foot tall produce quantities of tight little blooms in a wide range of clear colors. **Pkt. 10c**



MARIGOLD, Gigantea
Sunset Giants

Glorious double flowers, 5 to 6 inches in diameter, in rich shades of orange and yellow. **Pkt. 15c**

GLICK'S RUTGERS TOMATO

(PENNA. CERTIFIED)

The large, globular bright red fruits ripen about the same time as Marglobe. Plants are vigorous and resistant to disease. It is the ideal main-crop Tomato. Red Oxide treated. **Pkt. 15c; oz. 35c; 1/4lb. \$1.25; lb. \$4.50.**

GOLDEN CROSS BANTAM CORN

A wilt-resistant hybrid maturing earlier than Golden Bantam. The ears are 7 to 8 inches long, 12- to 14-rowed. Ready for use in 88 days. The best yellow sweet Corn developed to date.

**Pkt. 10c; 1/2pt. 25c; pt. 50c;
qt. 90c; pk. \$4.00.**



CUCUMBER The Colorado

Long green fruits of excellent shape and color. Disease-resistant plants. A good producer.

**Pkt. 10c; oz. 20c;
1/4lb. 60c;
lb. \$2.00**

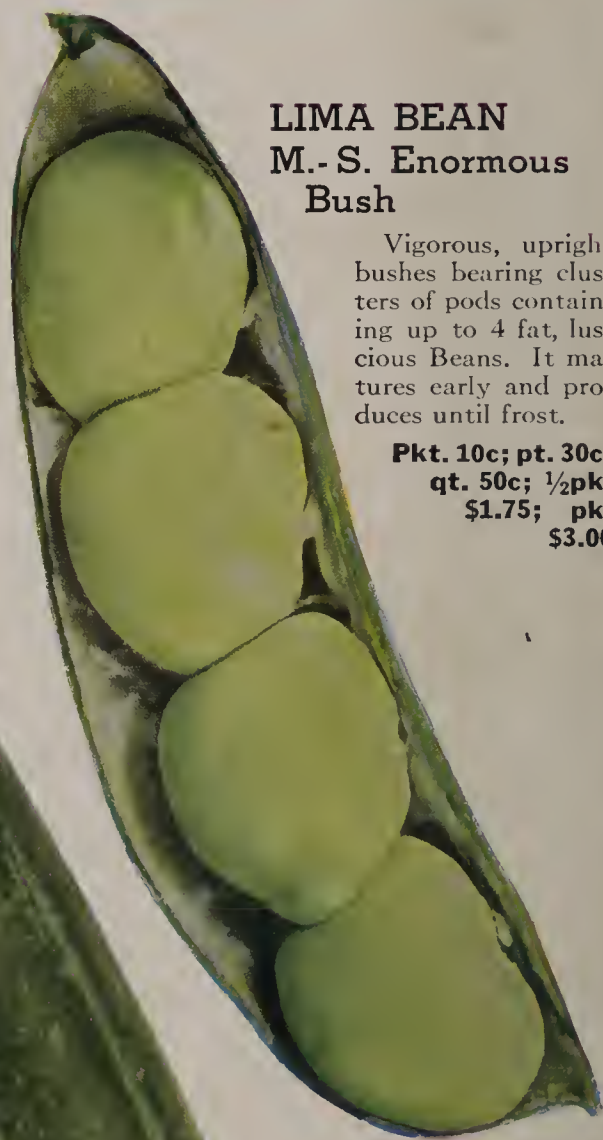
LIMA BEAN M.-S. Enormous Bush

Vigorous, upright bushes bearing clusters of pods containing up to 4 fat, luscious Beans. It matures early and produces until frost.

**Pkt. 10c; pt. 30c;
qt. 50c; 1/2pk.
\$1.75; pk.
\$3.00**



Golden Cross
Bantam Corn



TELEPHONE

Plaza 6170-6171

THE MEYER SEED CO.

34-36 Light Street

BALTIMORE, MD.